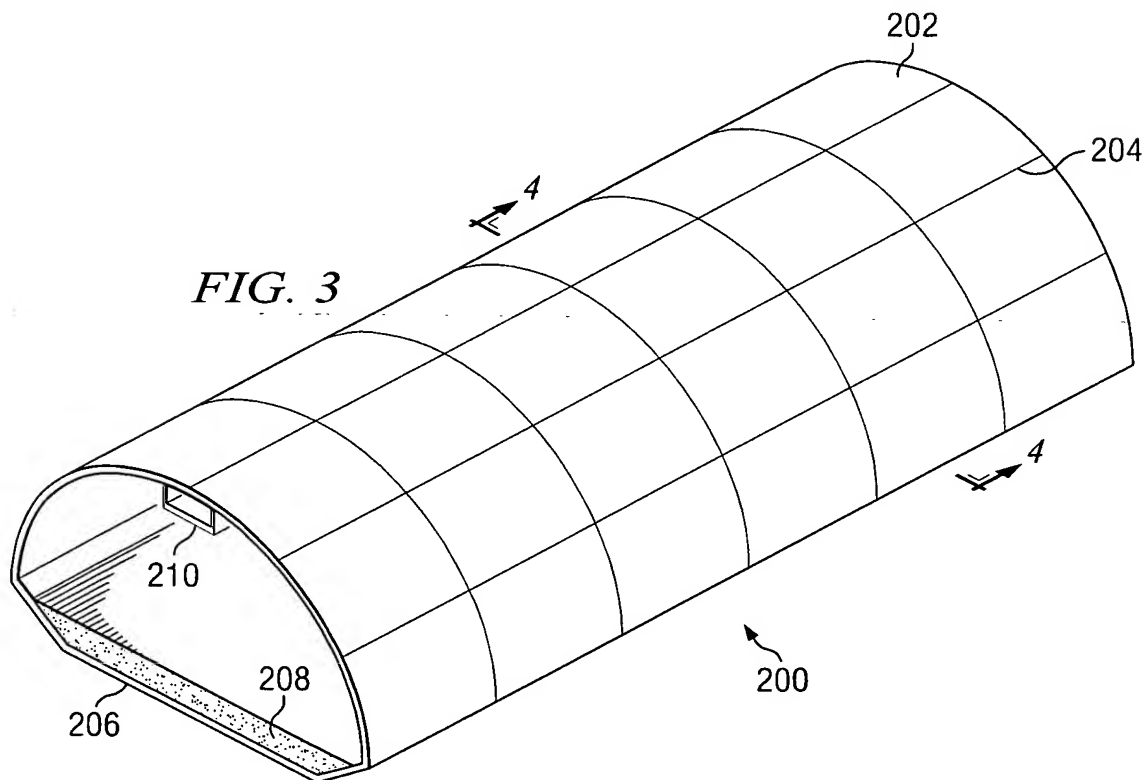
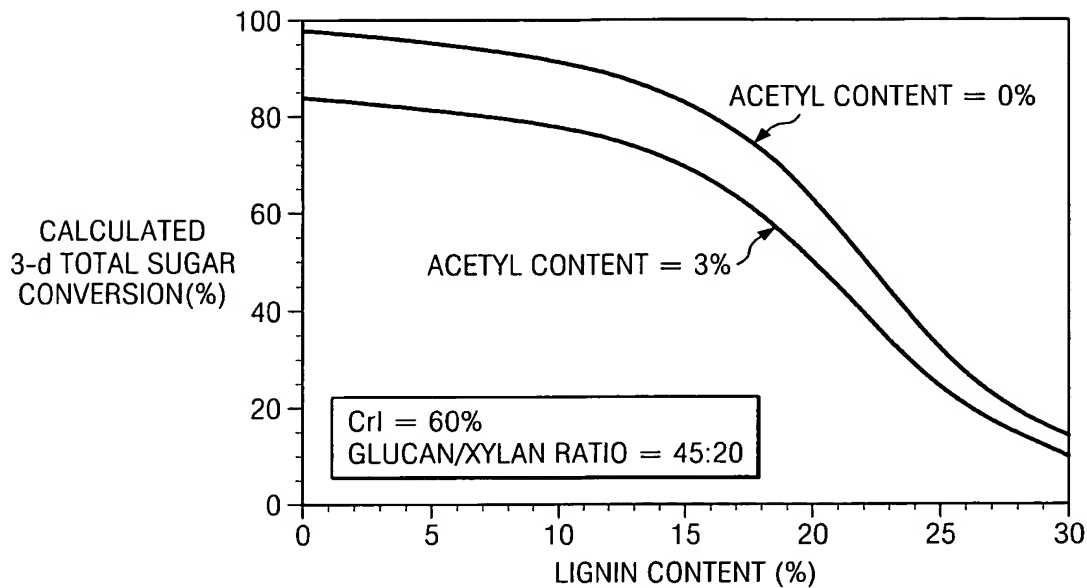


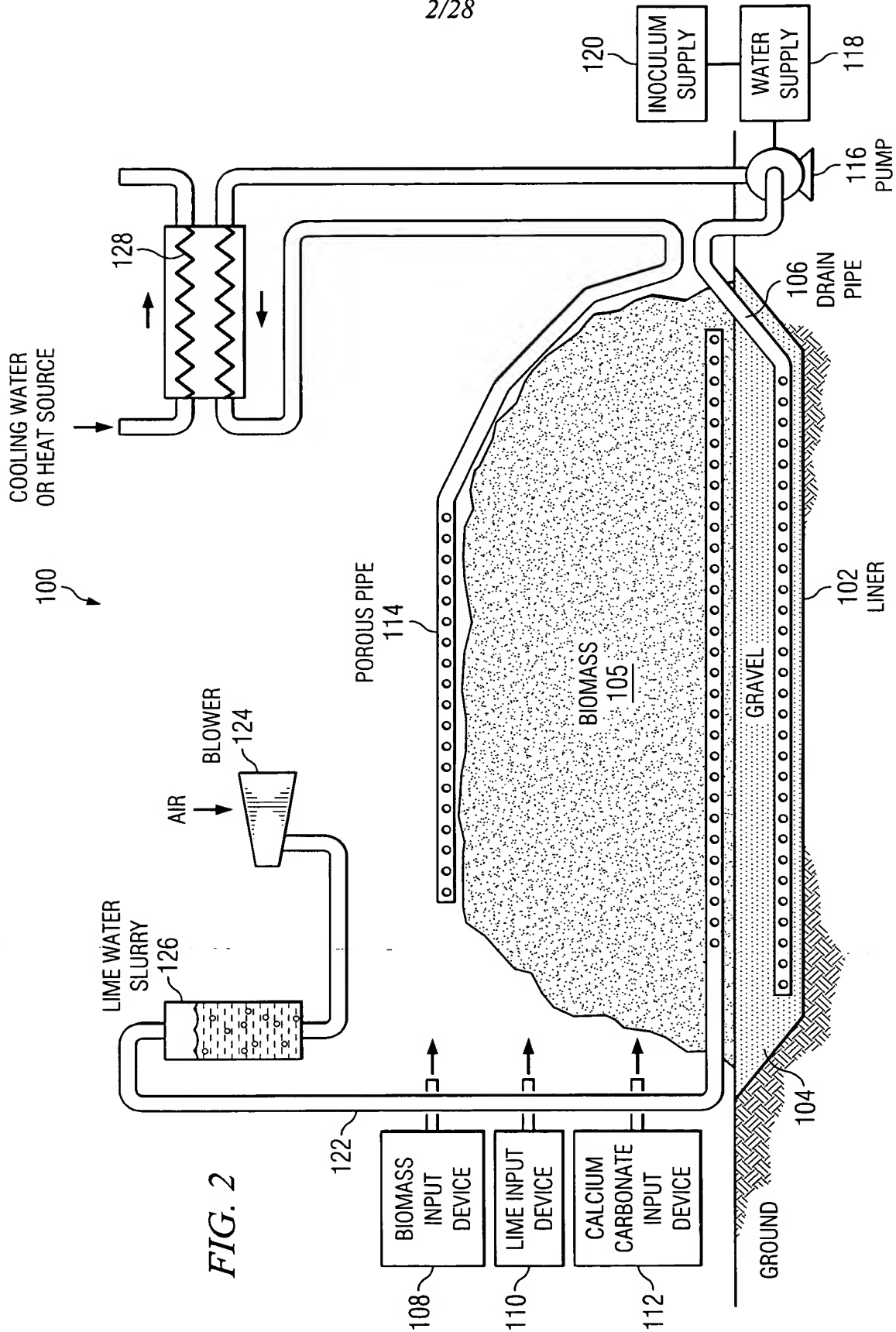
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JUL 30 2004  
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1/28

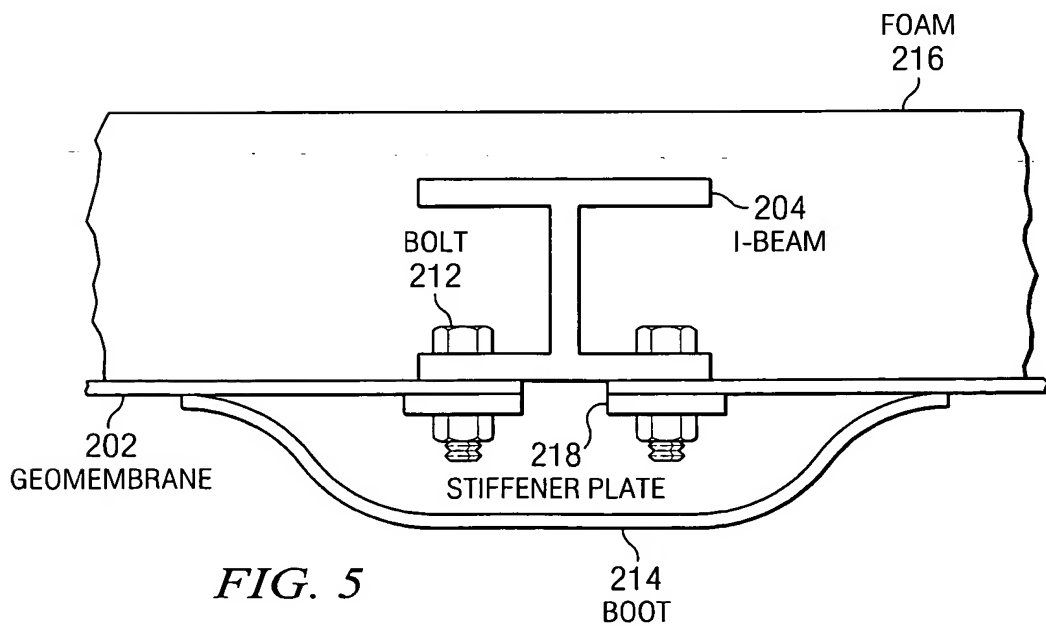
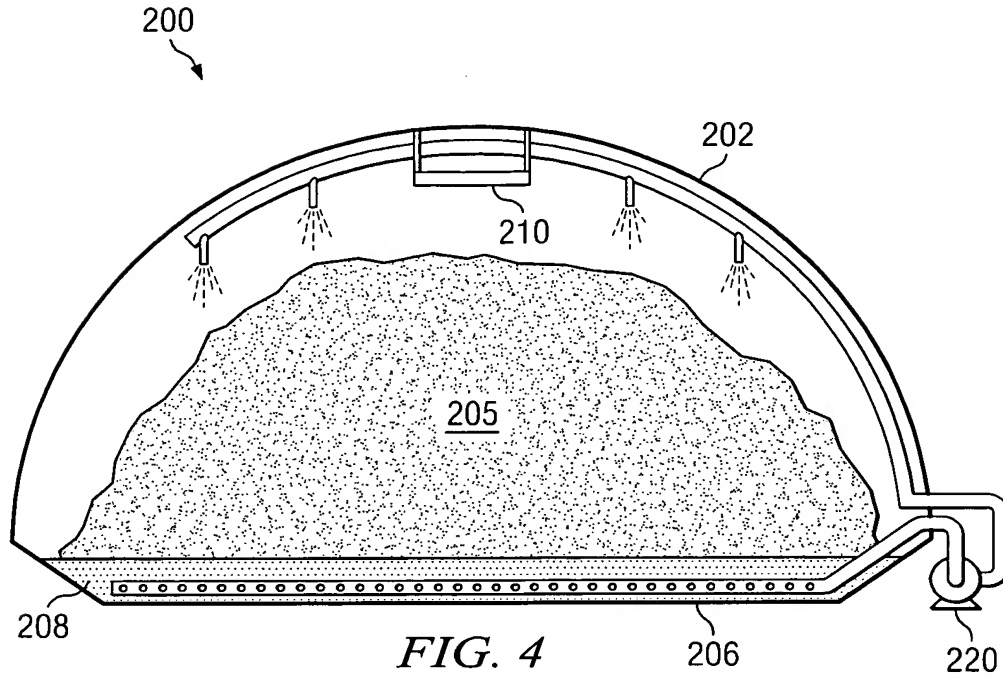
**FIG. 1**  
(PRIOR ART)



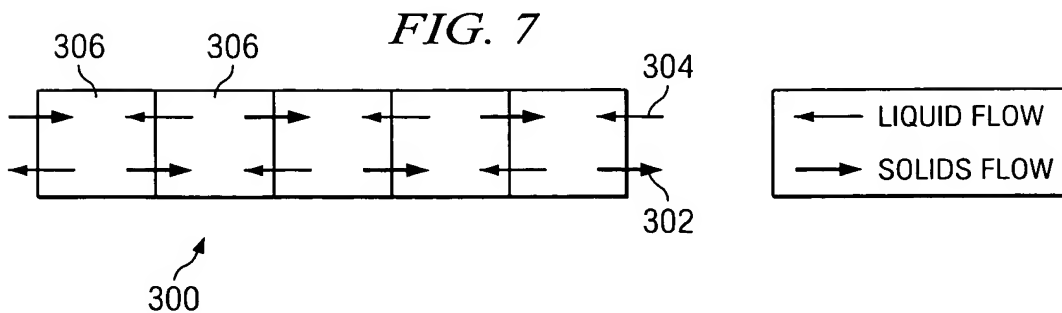
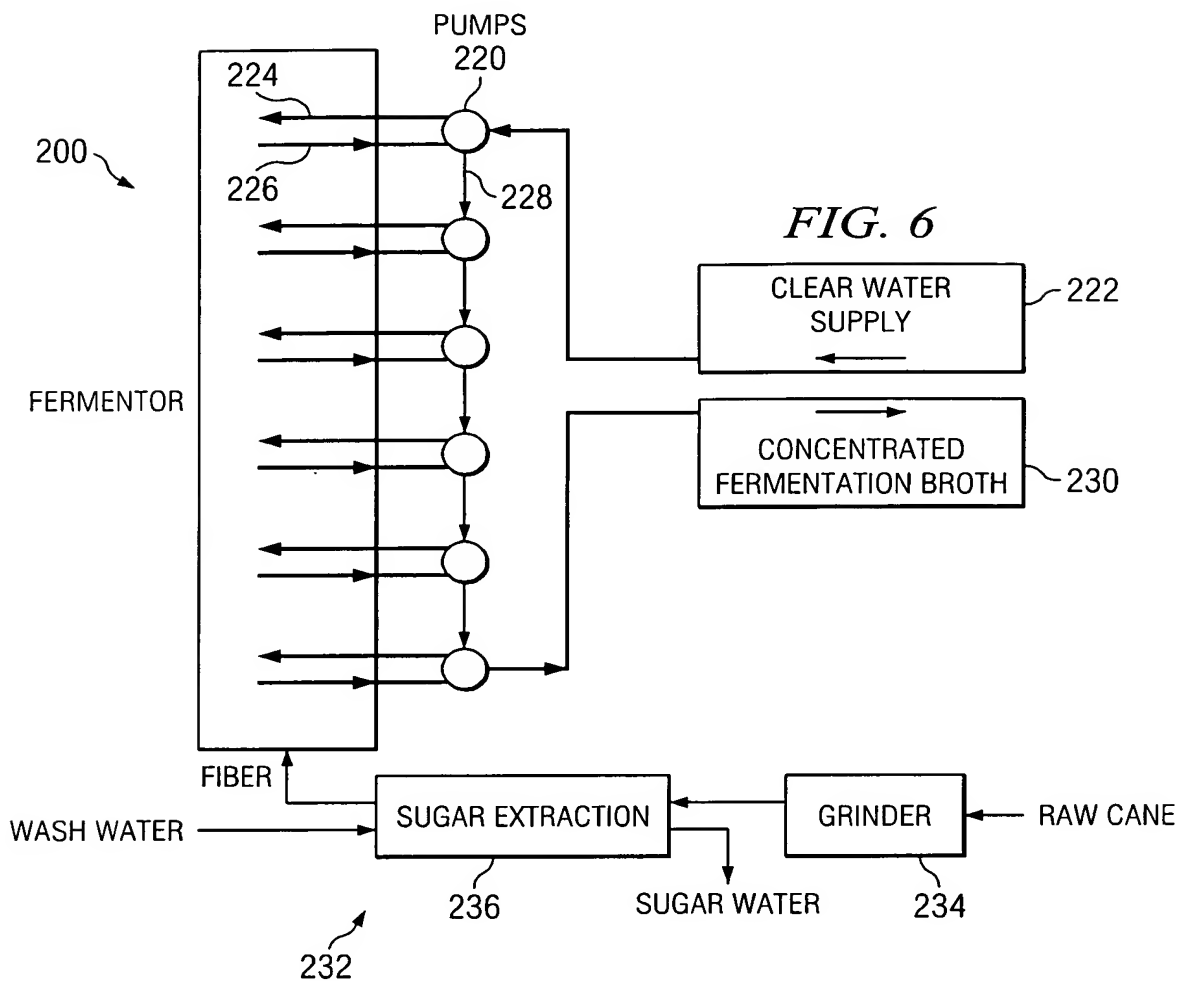
2/28



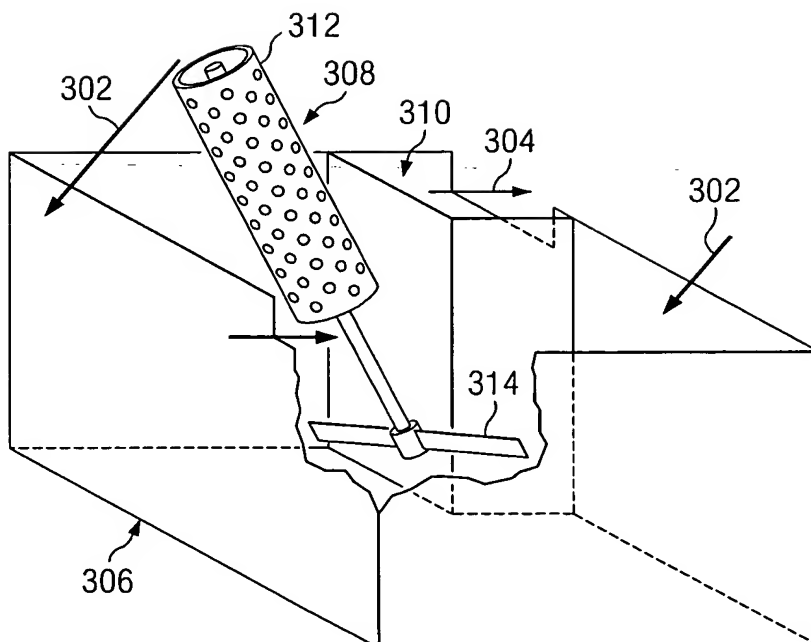
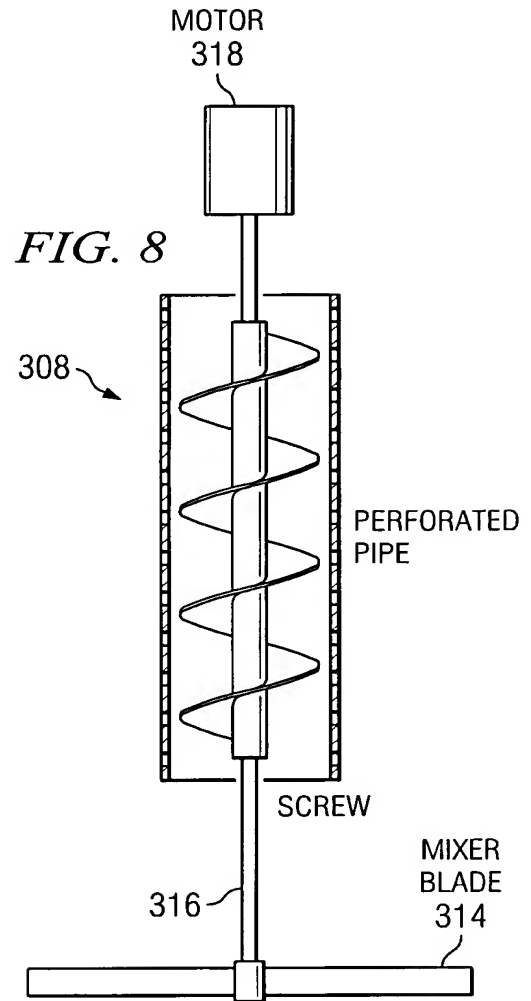
3/28



4/28

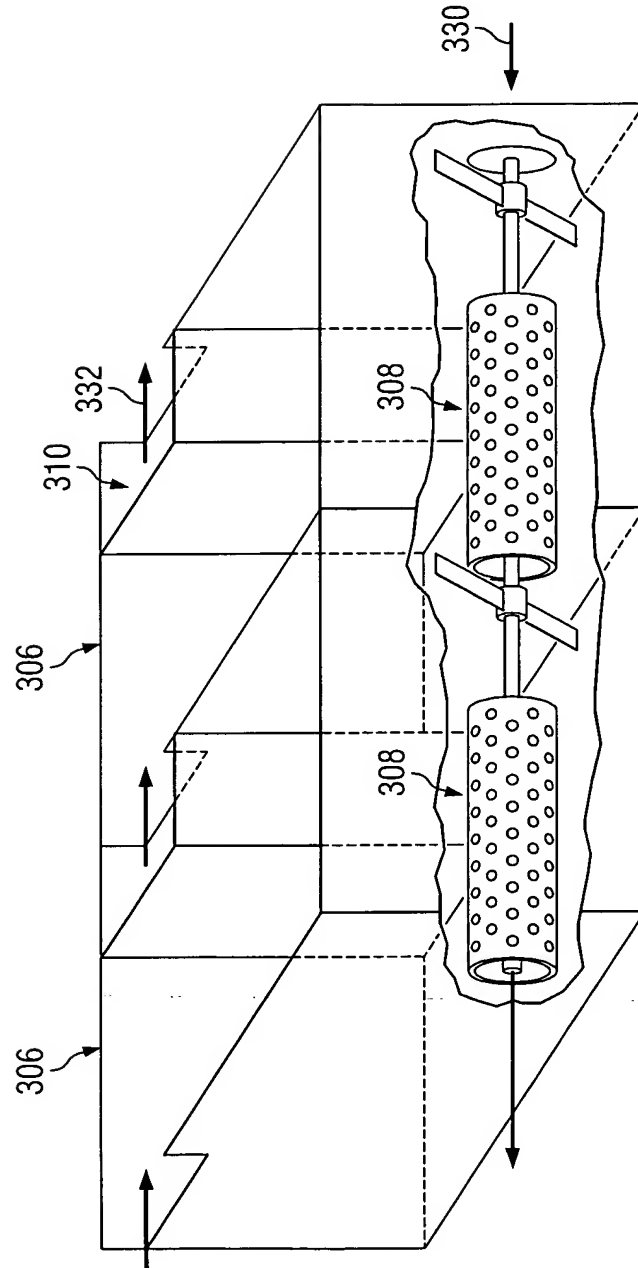


5/28

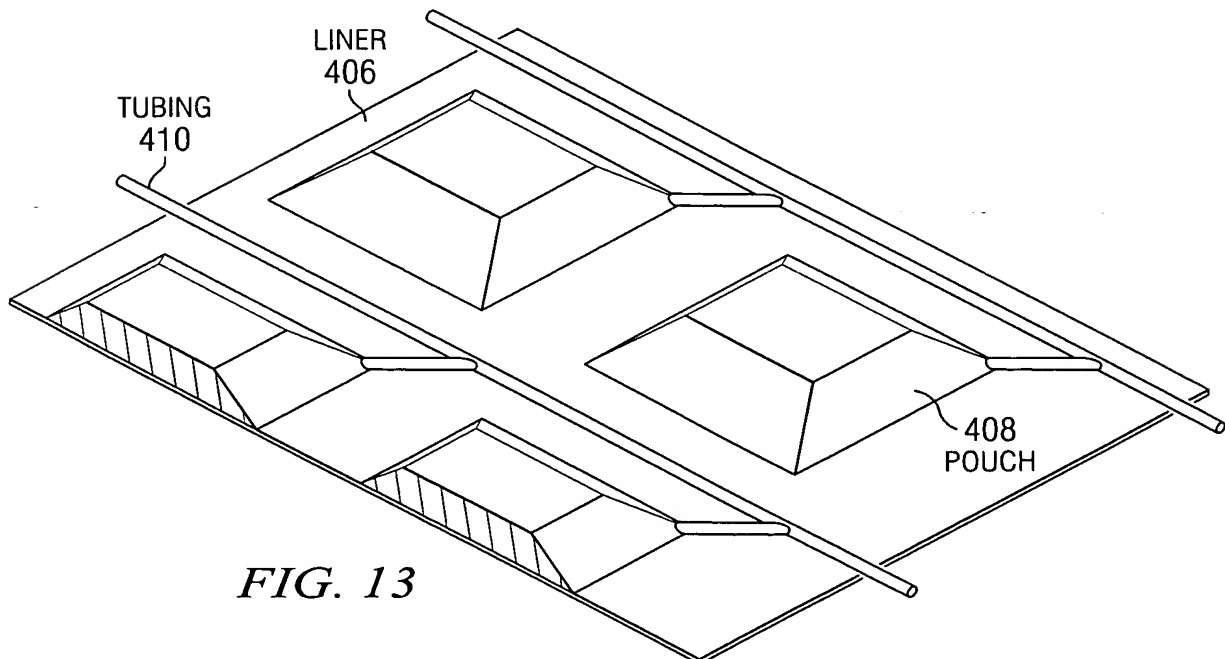
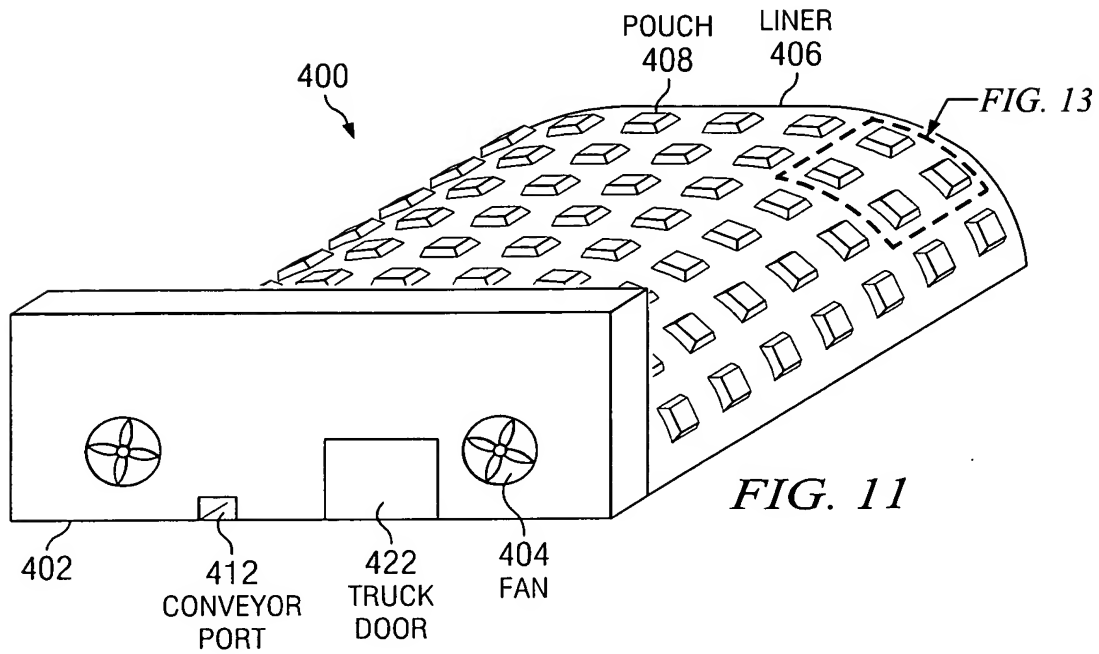


**FIG. 9**

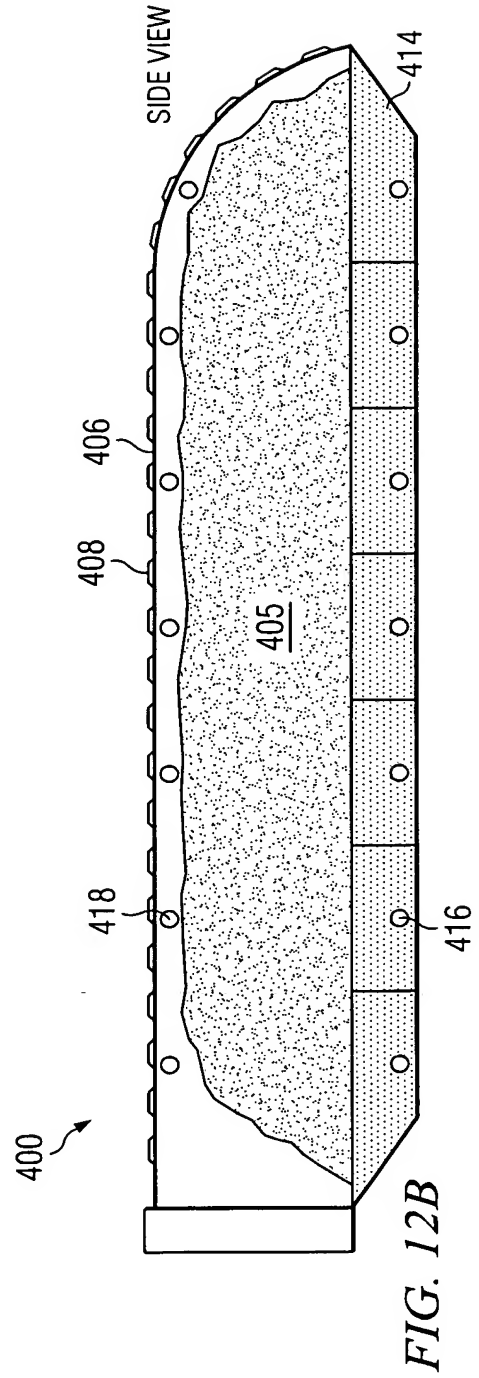
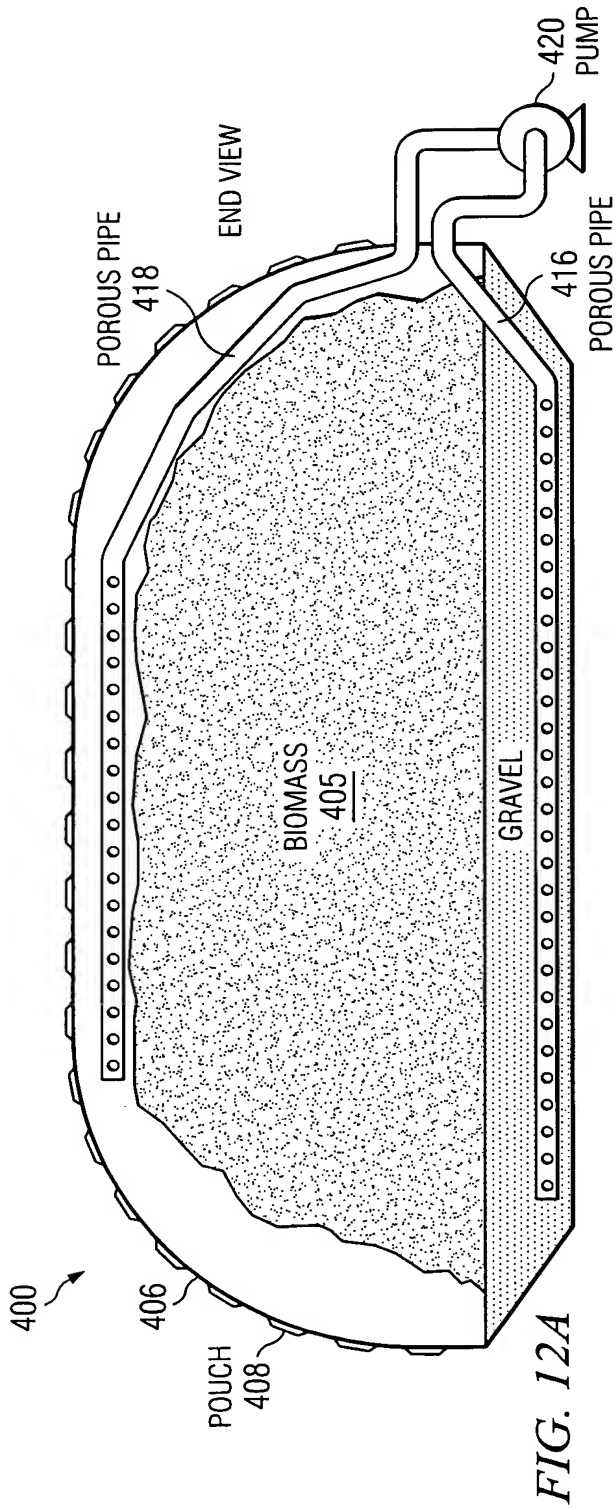
6/28



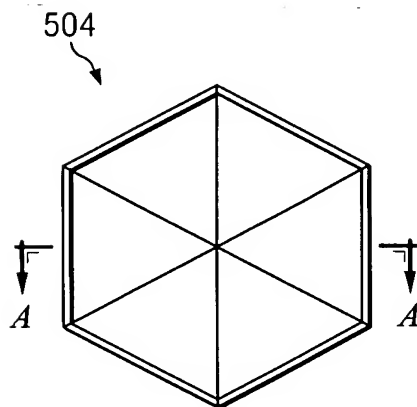
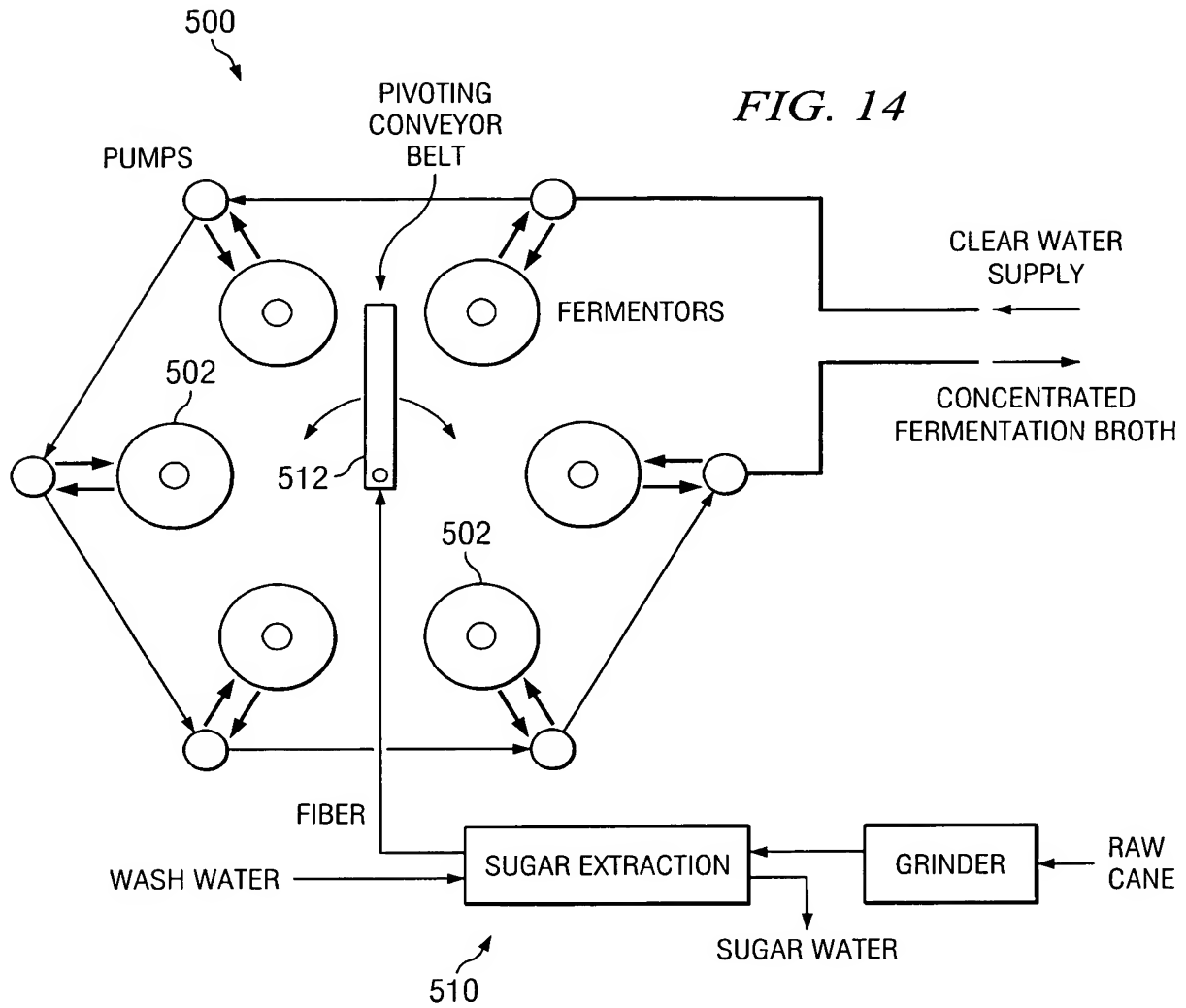
7/28



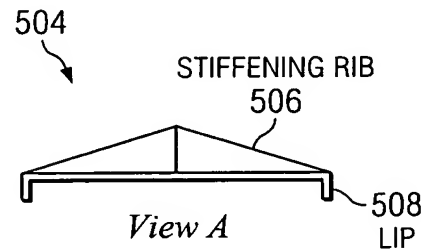
8/28



9/28

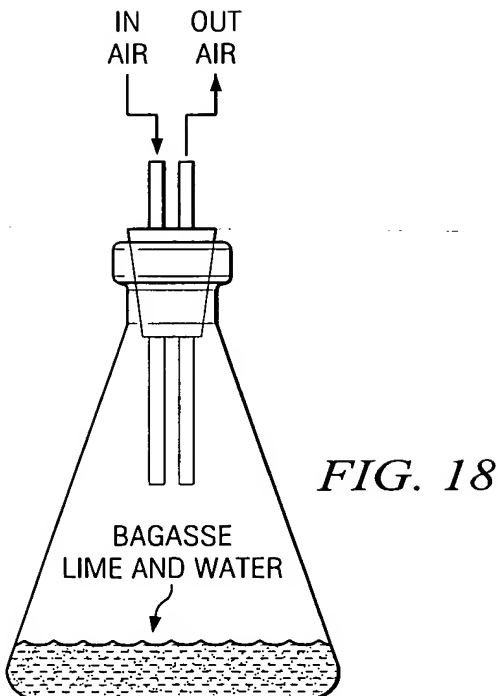
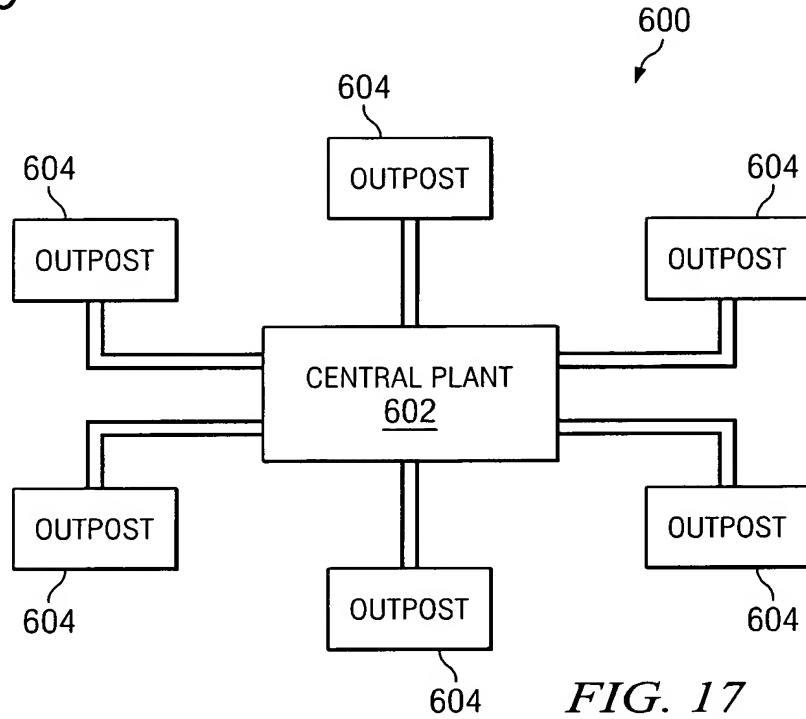
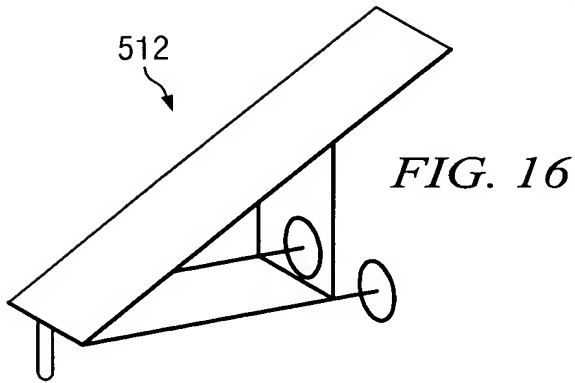


**FIG. 15A**



**FIG. 15B**

10/28



11/28

FIG. 19

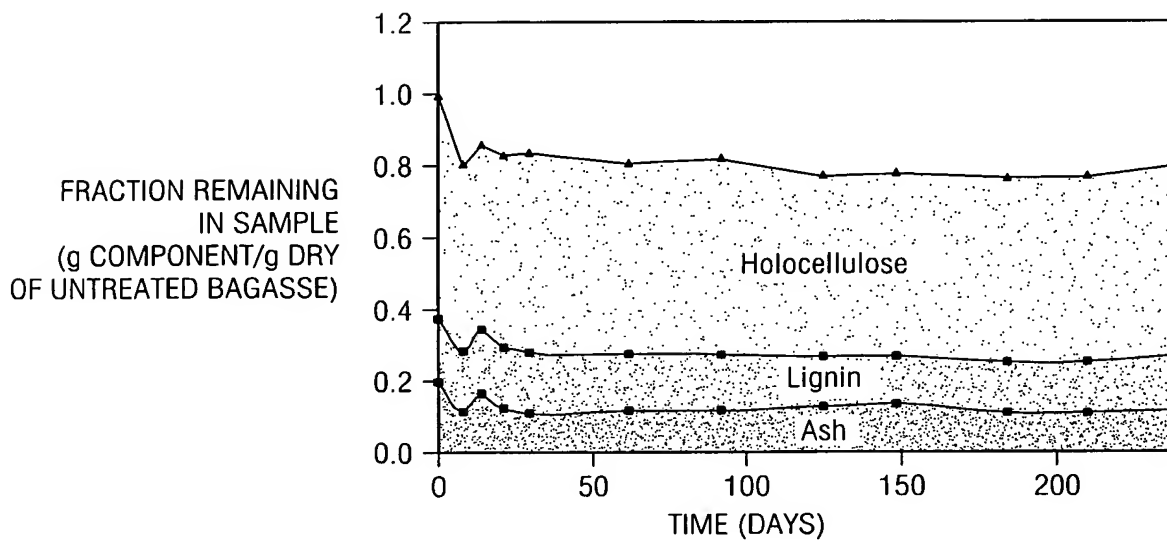
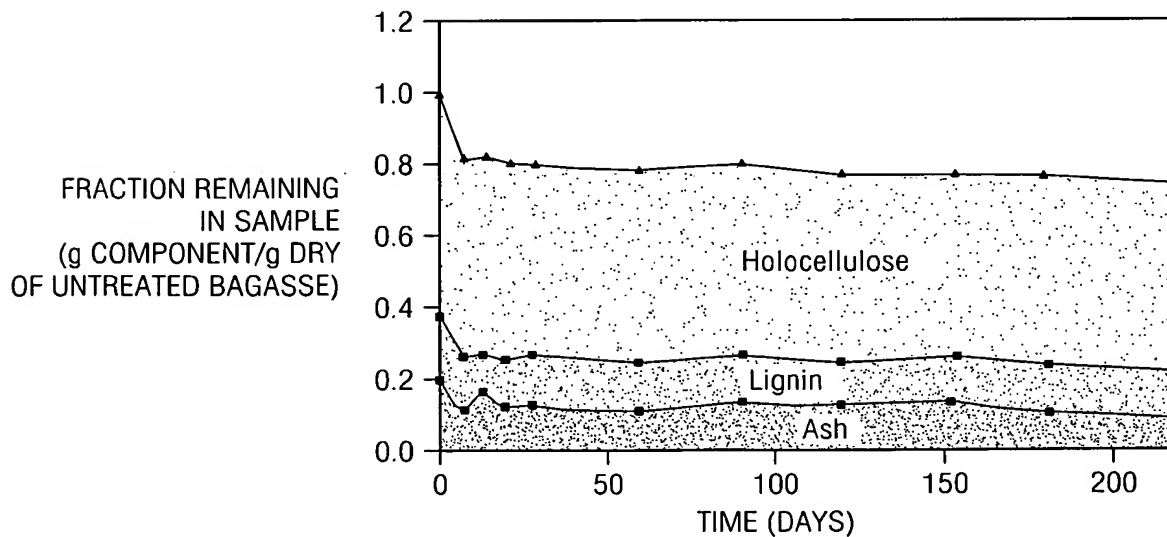


FIG. 20



12/28

FIG. 21

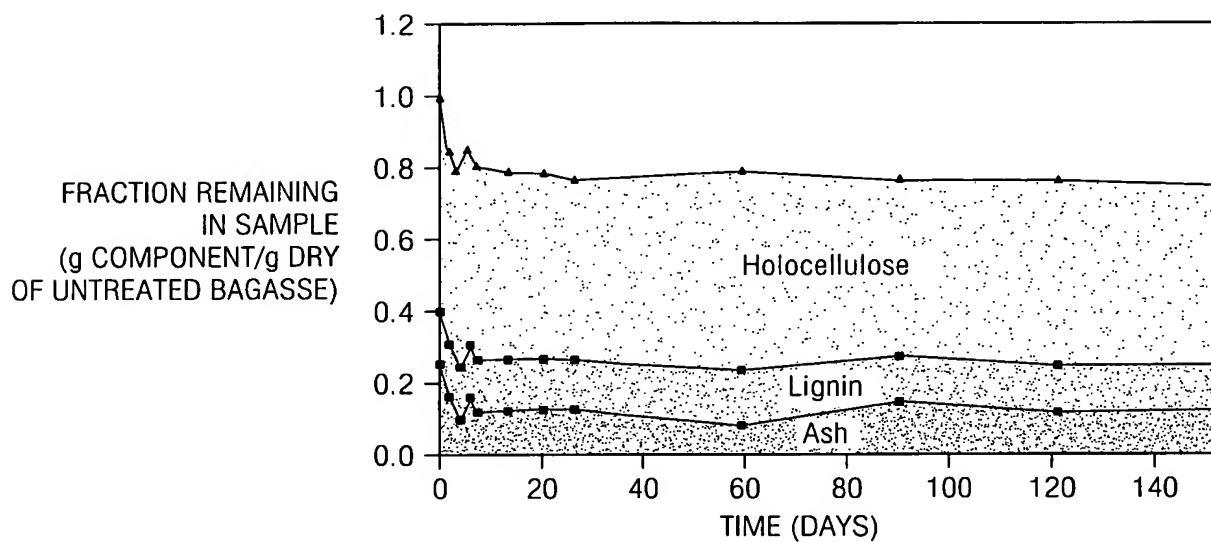
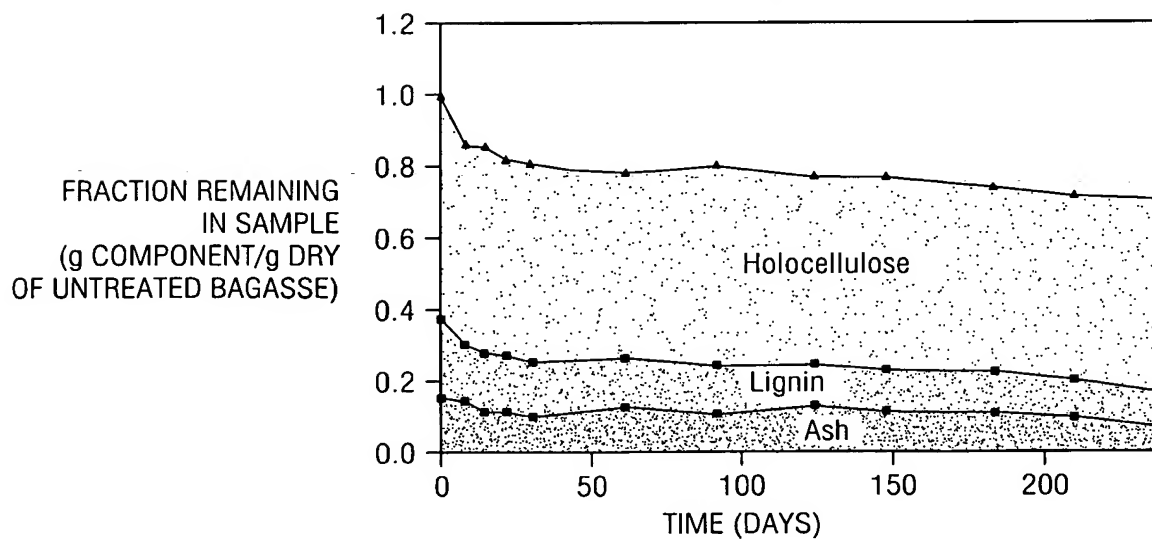


FIG. 22



13/28

FIG. 23

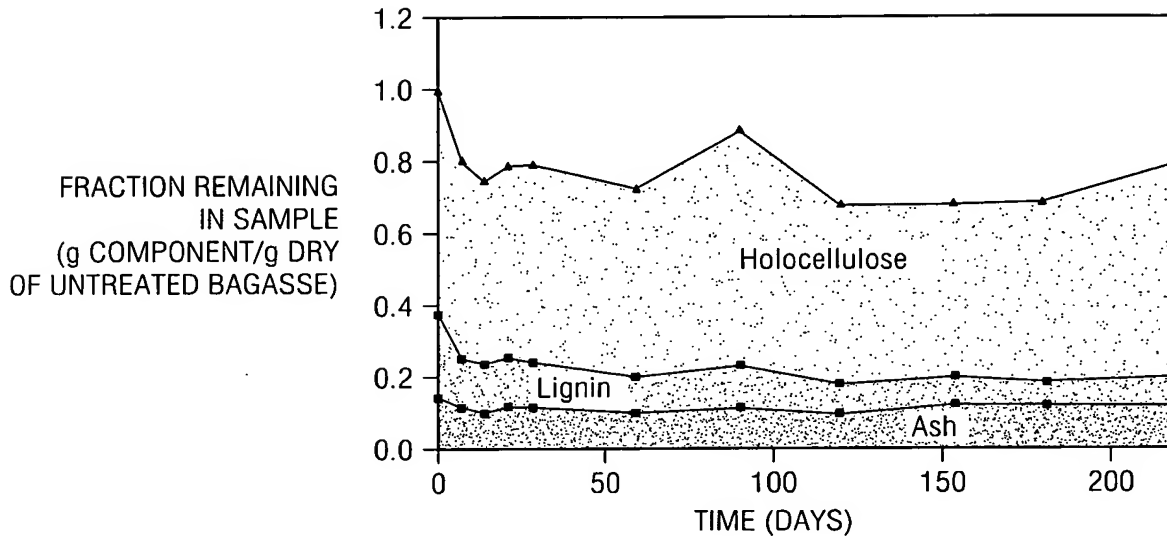
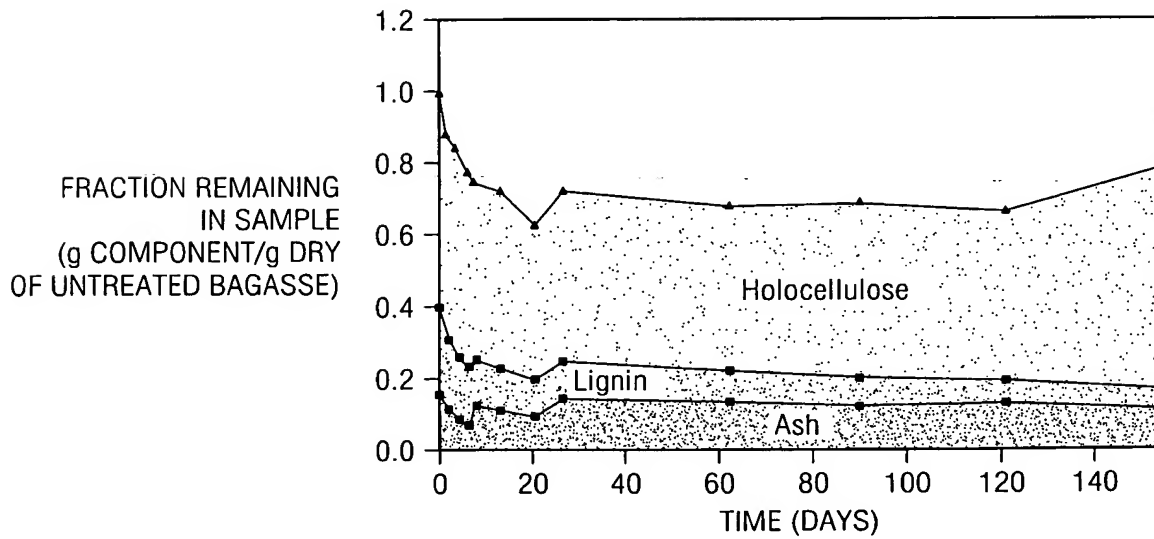
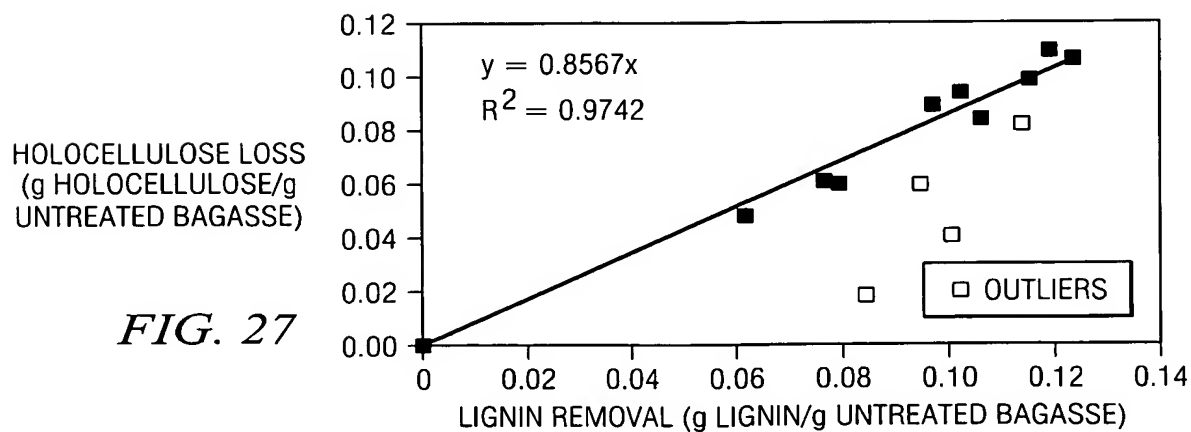
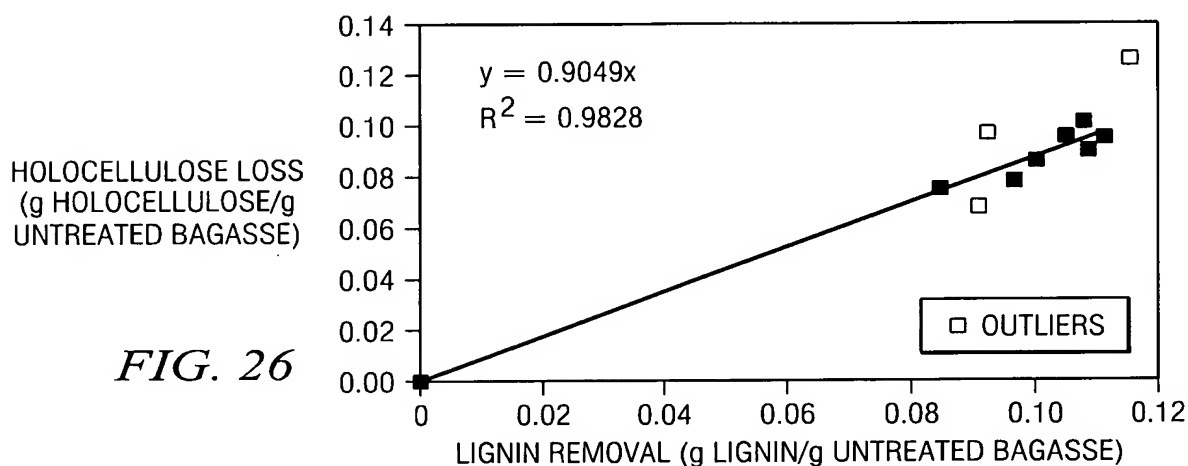
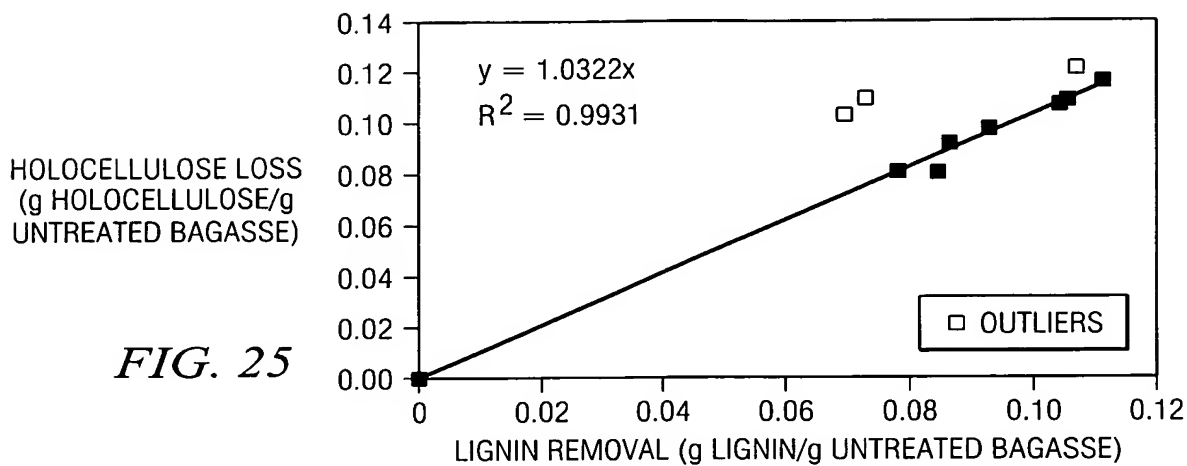


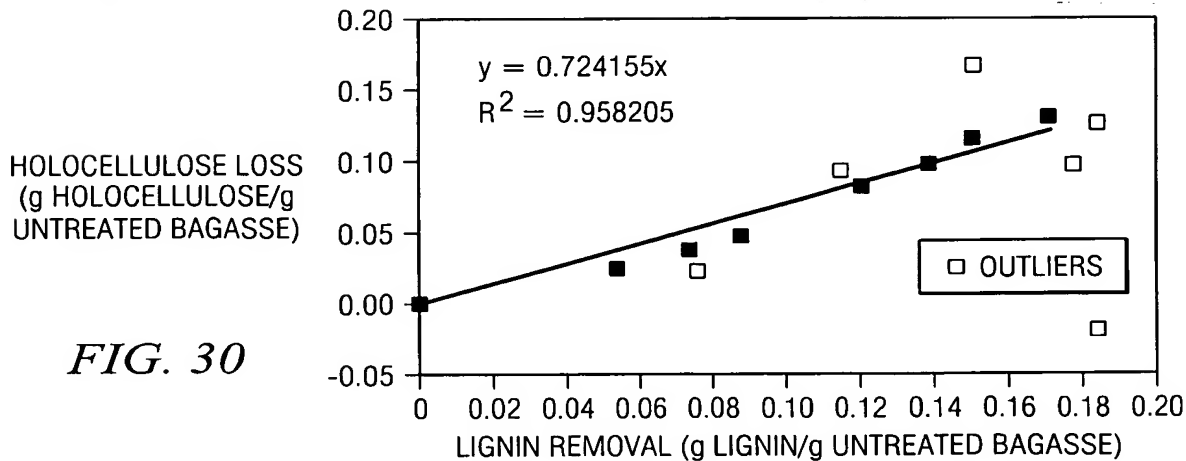
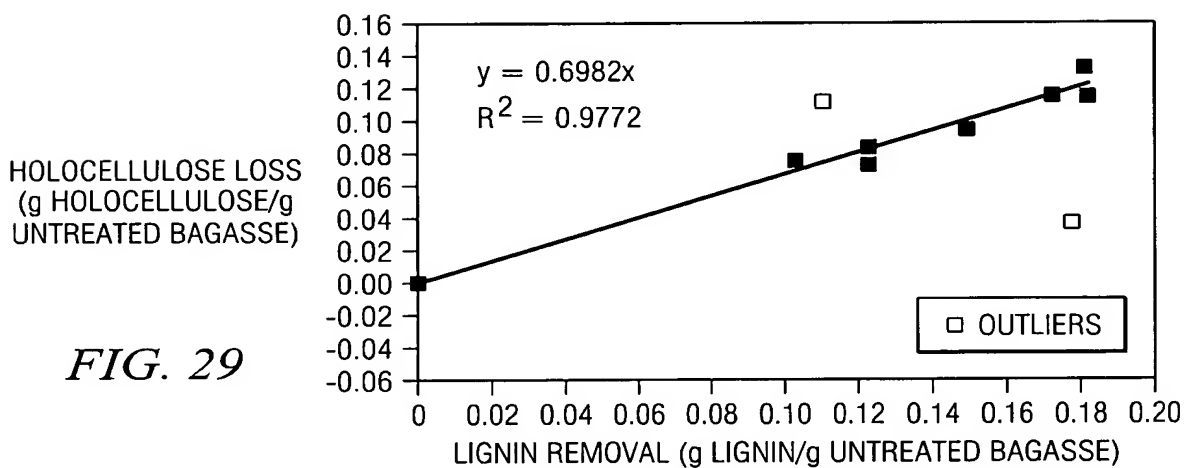
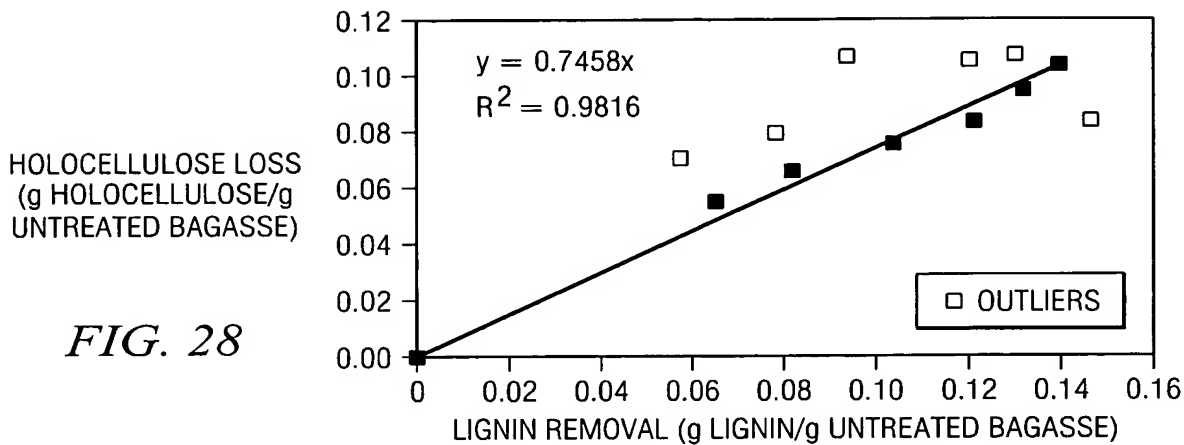
FIG. 24



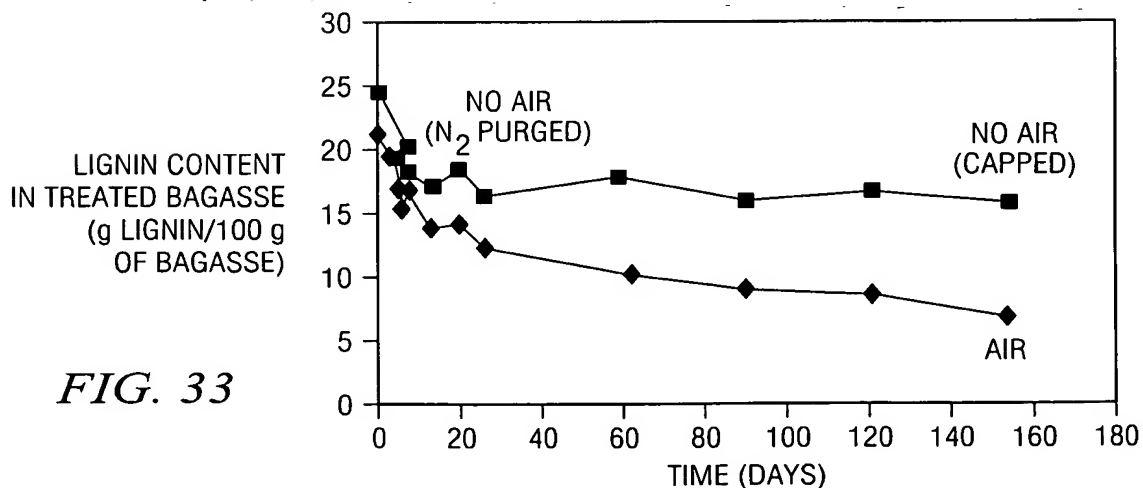
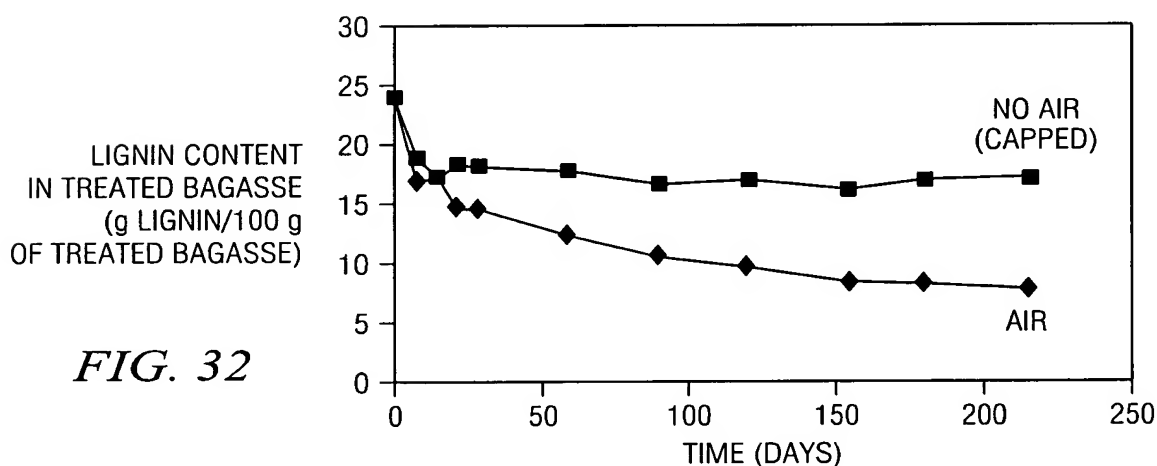
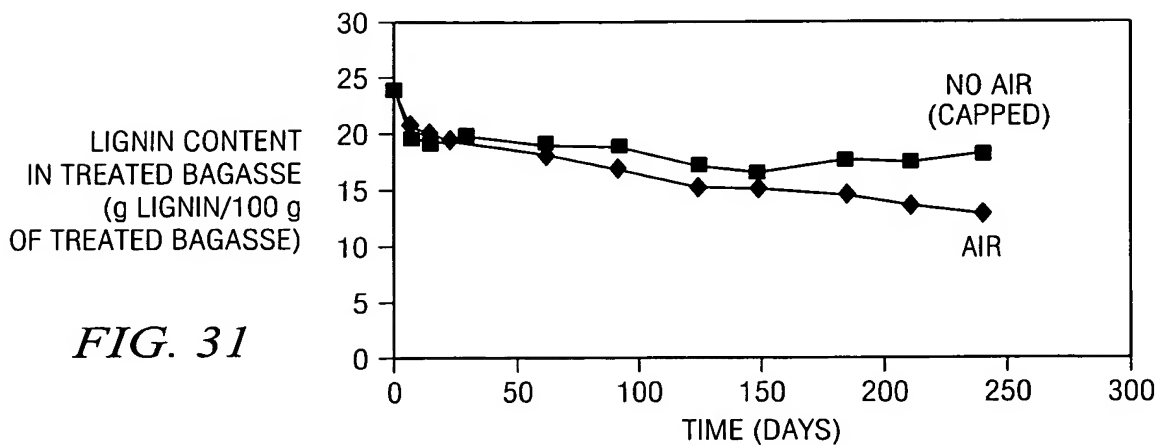
14/28



15/28



16/28



17/28

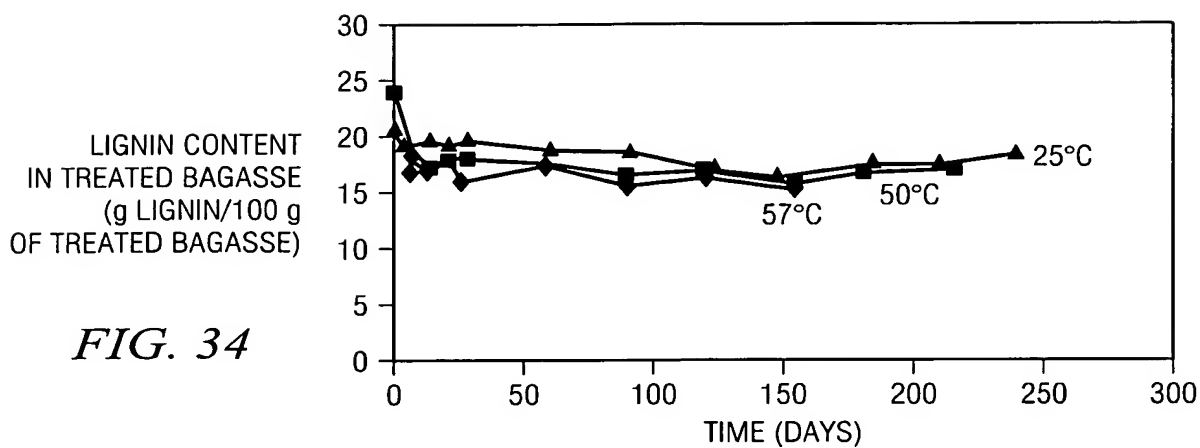


FIG. 34

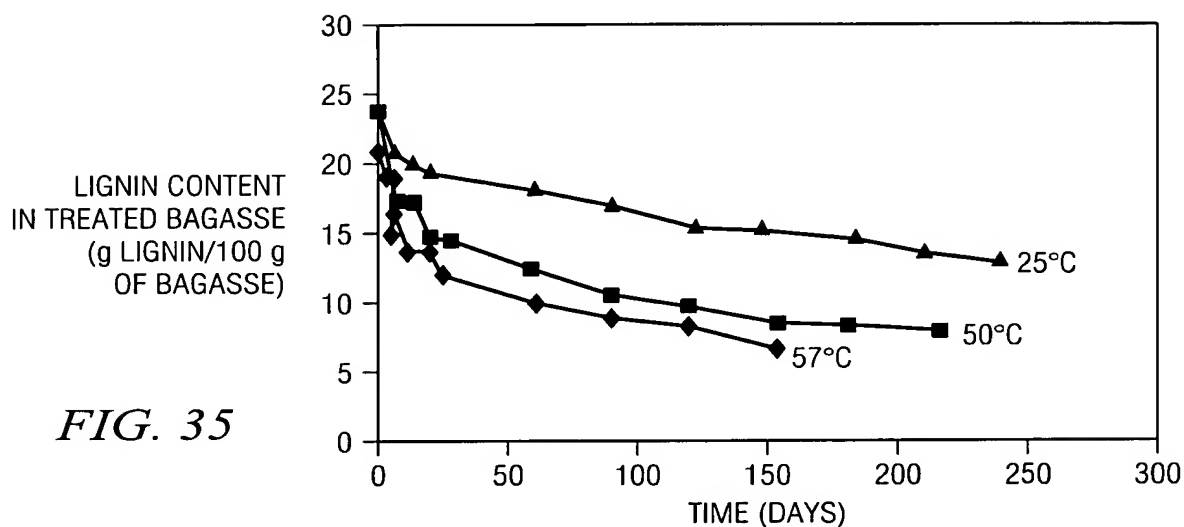


FIG. 35

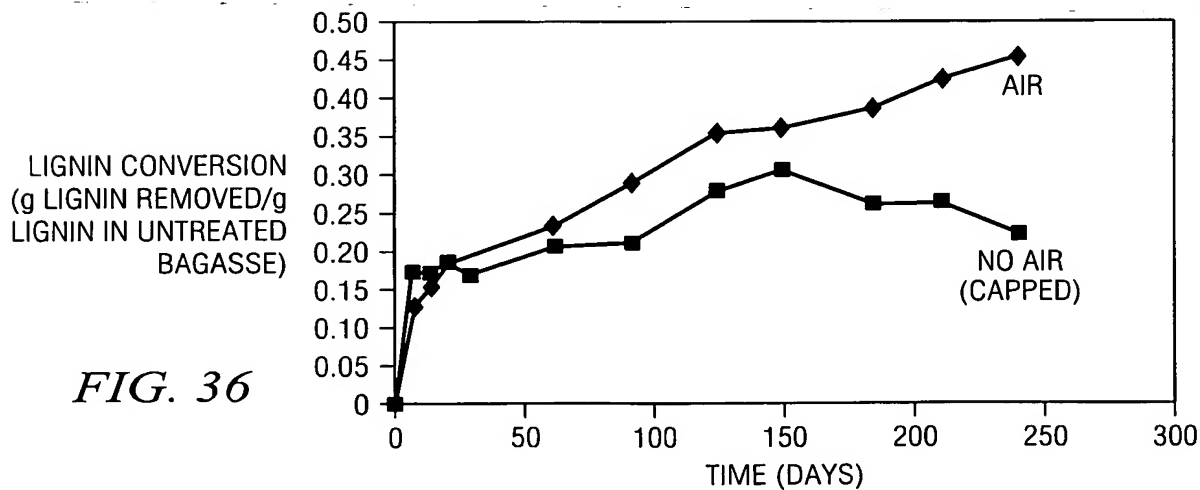
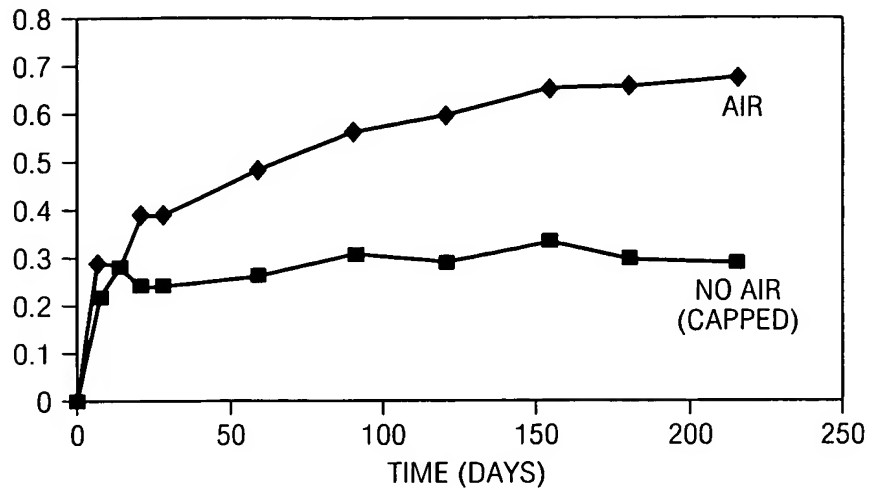


FIG. 36

18/28

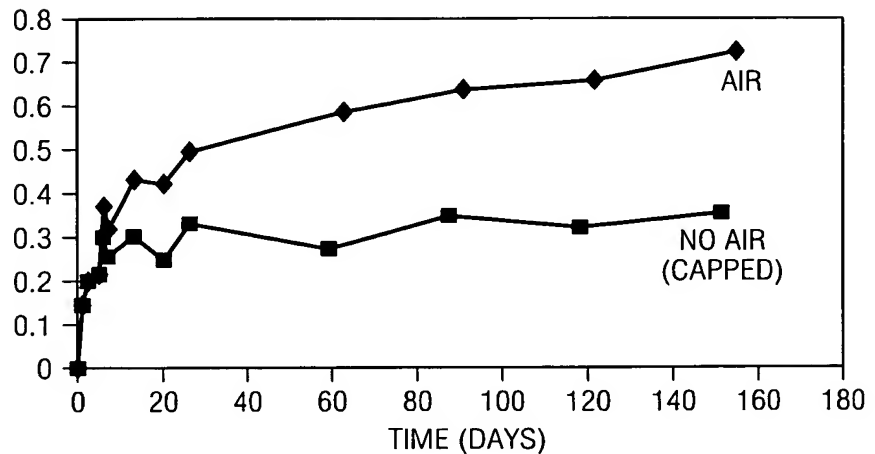
LIGNIN CONVERSION  
 (g LIGNIN REMOVED/g  
 LIGNIN IN UNTREATED  
 BAGASSE)

FIG. 37



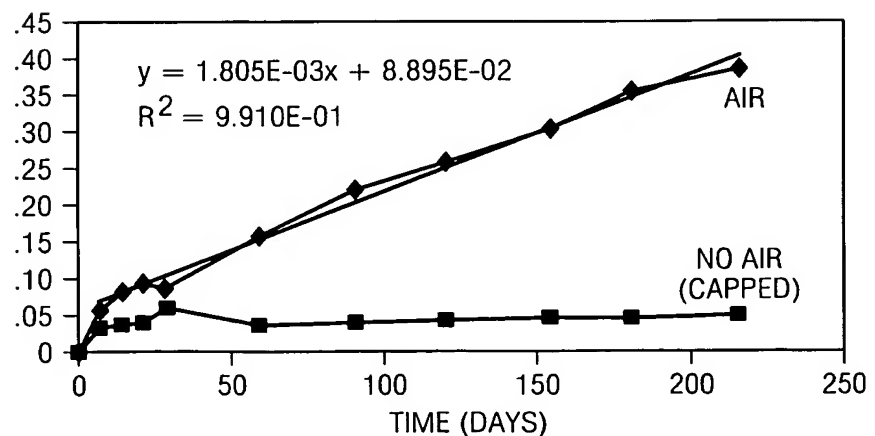
LIGNIN CONVERSION  
 (g LIGNIN REMOVED/g  
 LIGNIN IN UNTREATED  
 BAGASSE)

FIG. 38



LIME CONSUMPTION  
 (g Ca(OH)<sub>2</sub> CONSUMED/g  
 UNTREATED BAGASSE)

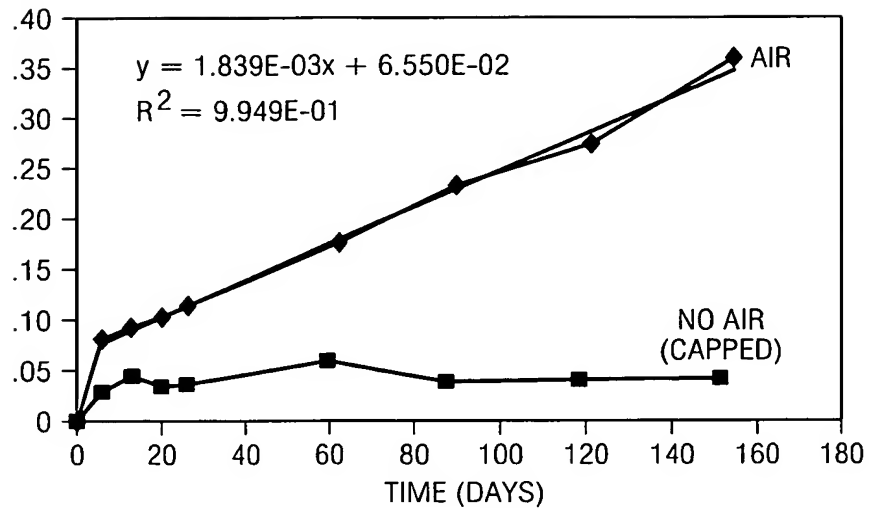
FIG. 39



19/28

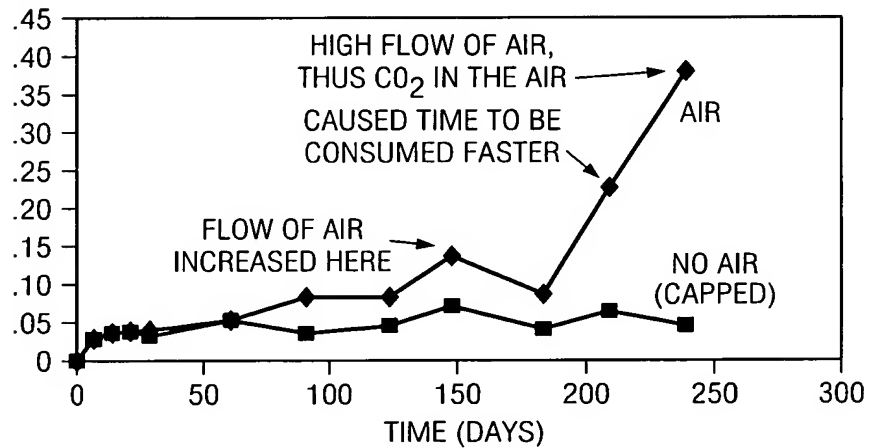
LIME CONSUMPTION  
 (g  $\text{Ca}(\text{OH})_2$  CONSUMED/g  
 UNTREATED BAGASSE)

FIG. 40



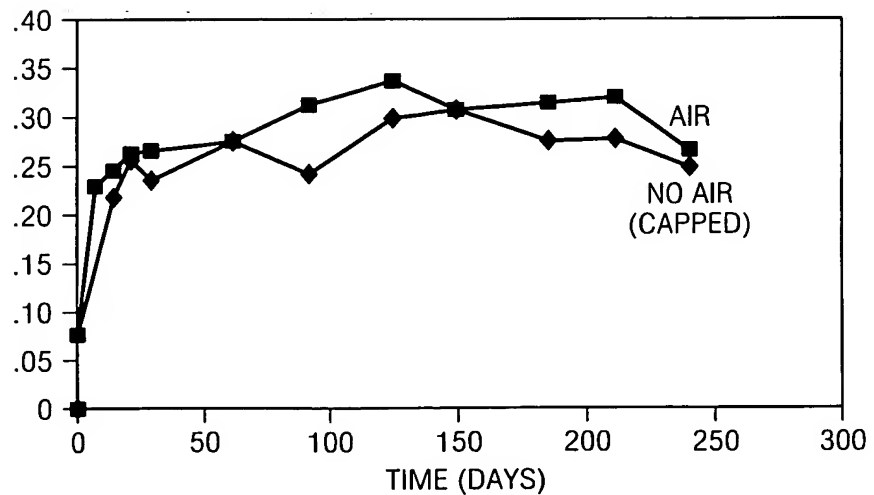
LIME CONSUMPTION  
 (g  $\text{Ca}(\text{OH})_2$  CONSUMED/g  
 UNTREATED BAGASSE)

FIG. 41



SUGAR YIELD  
 (g GLUCOSS+XYLOSE/g  
 DRY OF UNTREATED  
 BIOMASS)

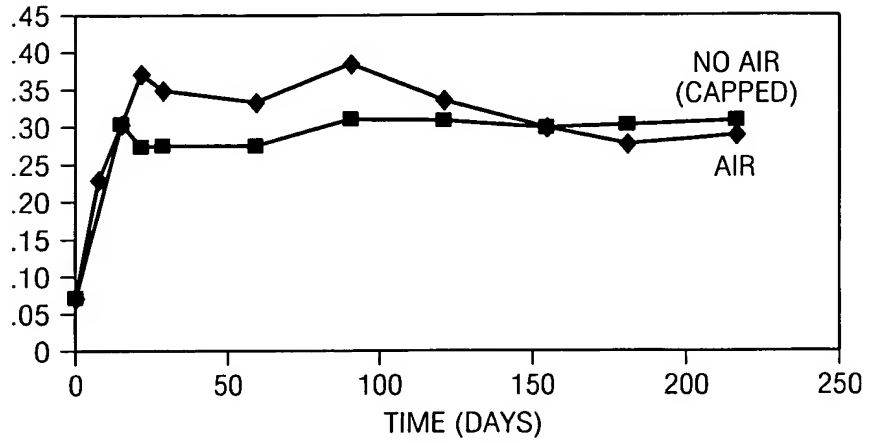
FIG. 42



20/28

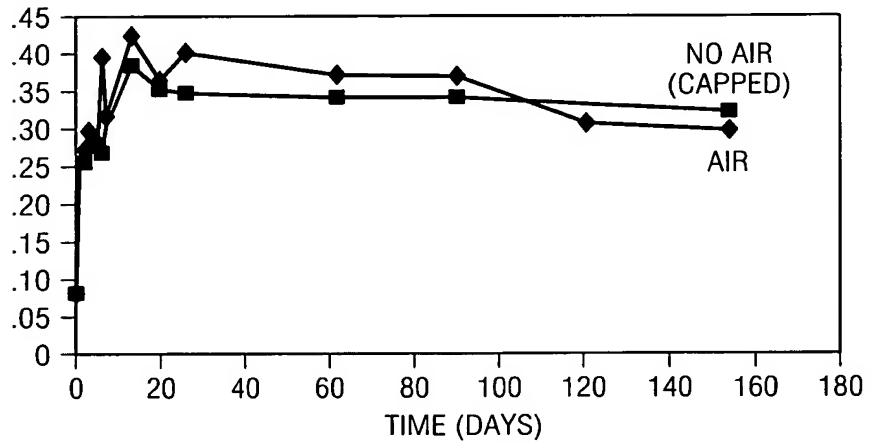
SUGAR YIELD  
 (g GLUCOSS+XYLOSE/g  
 DRY OF UNTREATED  
 BIOMASS)

FIG. 43



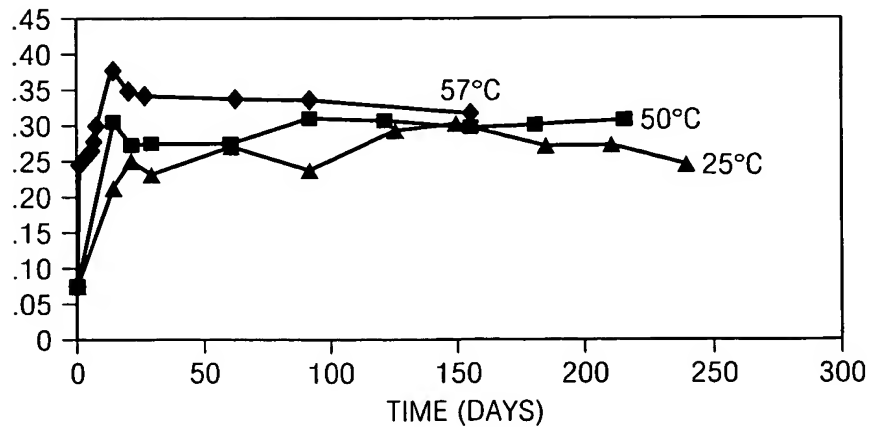
SUGAR YIELD  
 (g GLUCOSS+XYLOSE/g  
 DRY OF UNTREATED  
 BIOMASS)

FIG. 44



SUGAR YIELD  
 (g GLUCOSS+XYLOSE/g  
 DRY OF UNTREATED  
 BIOMASS)

FIG. 45



21/28

FIG. 46

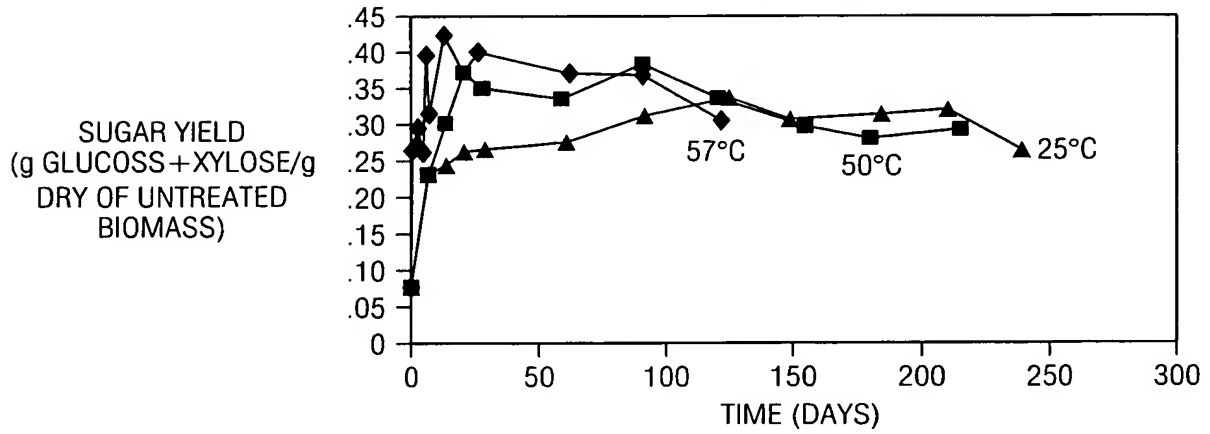
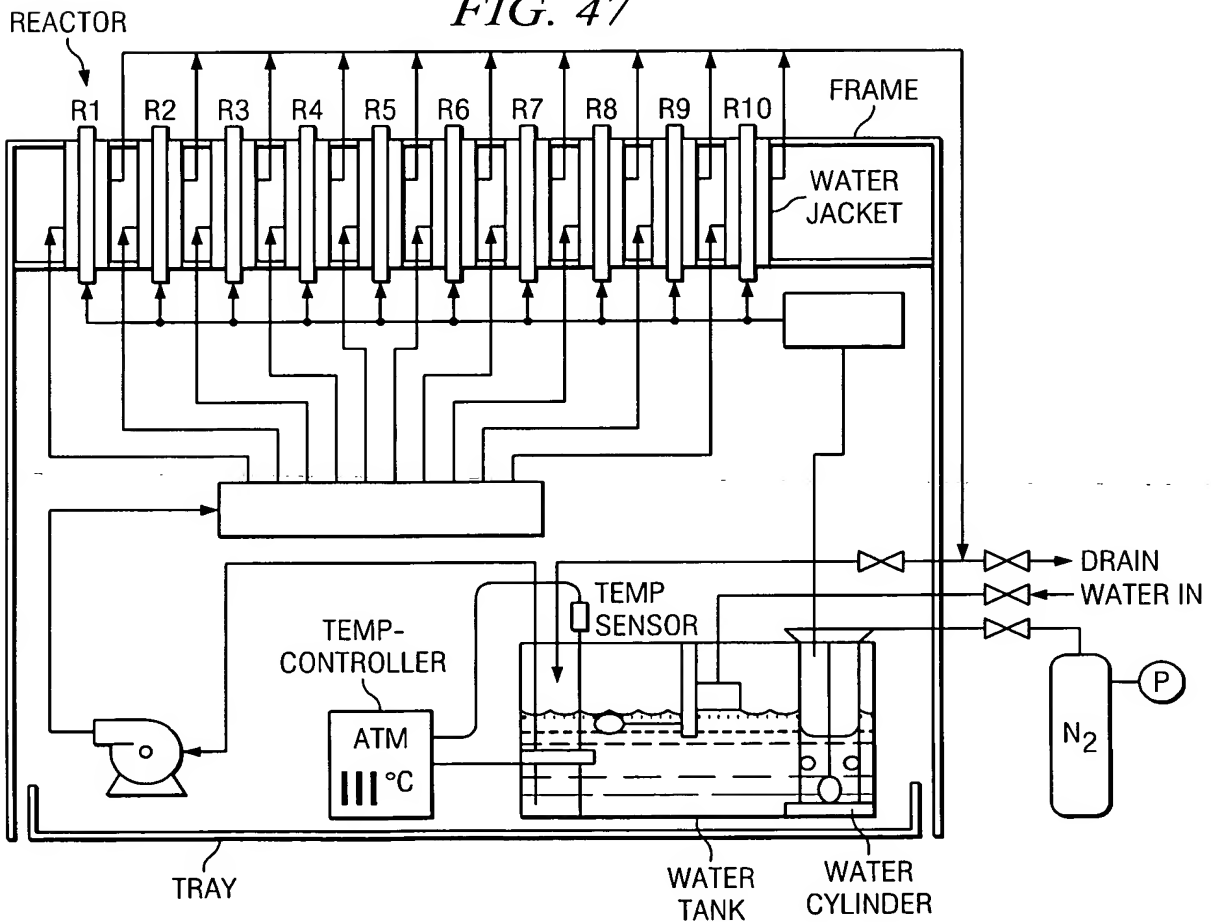


FIG. 47



22/28

FIG. 48

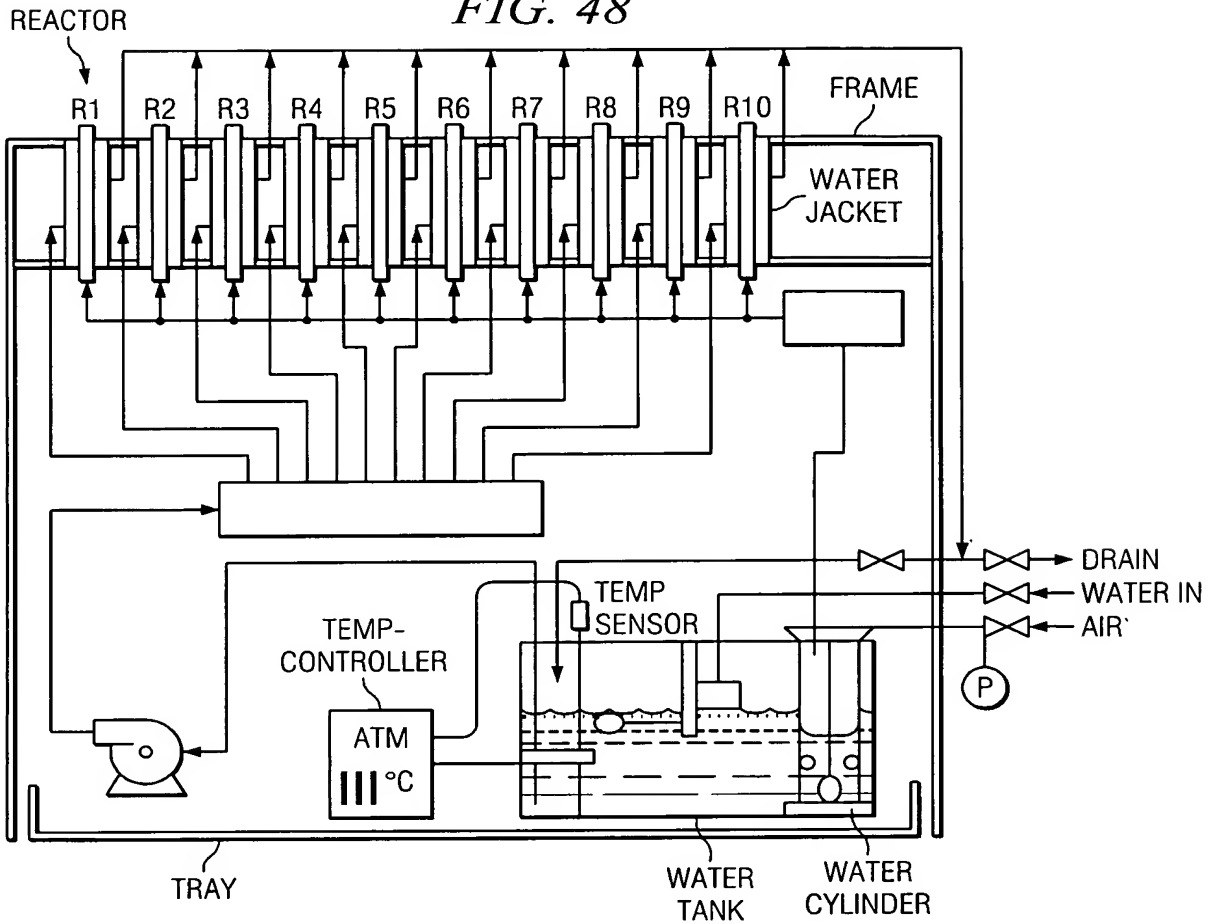
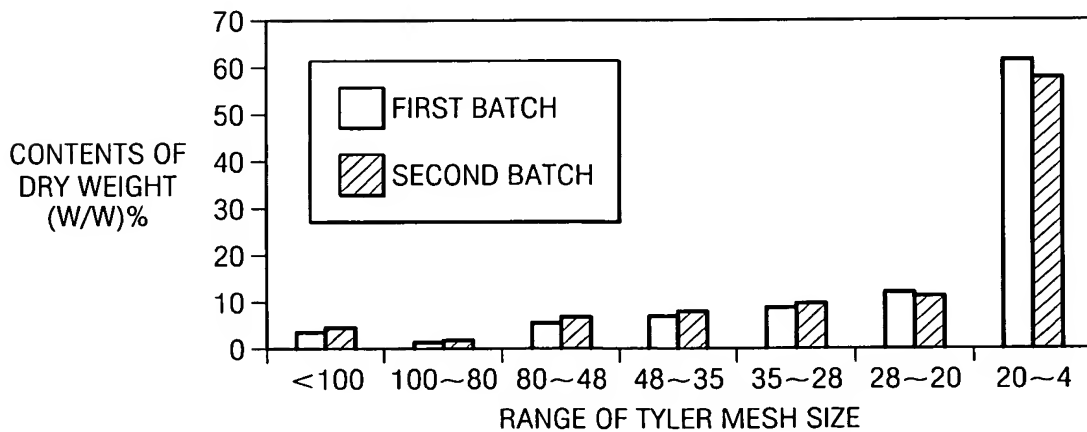
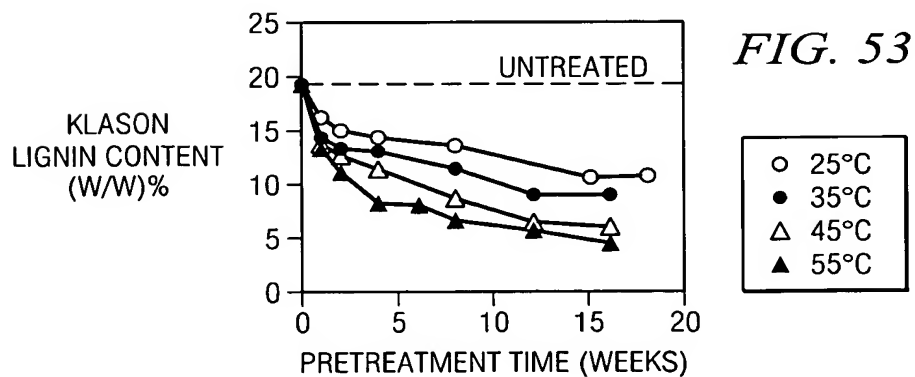
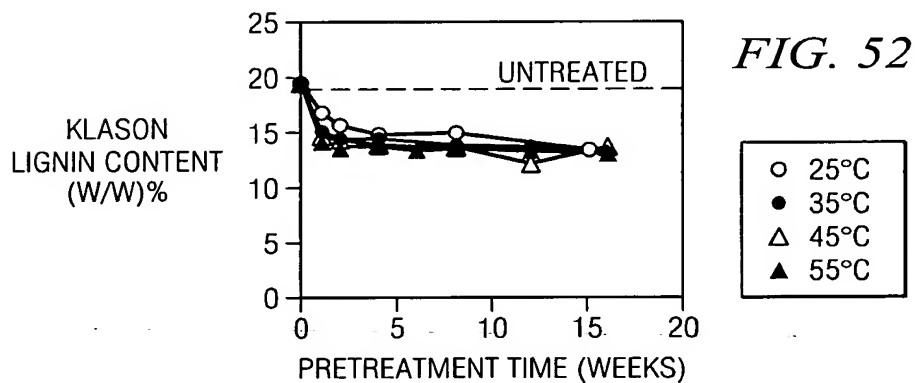
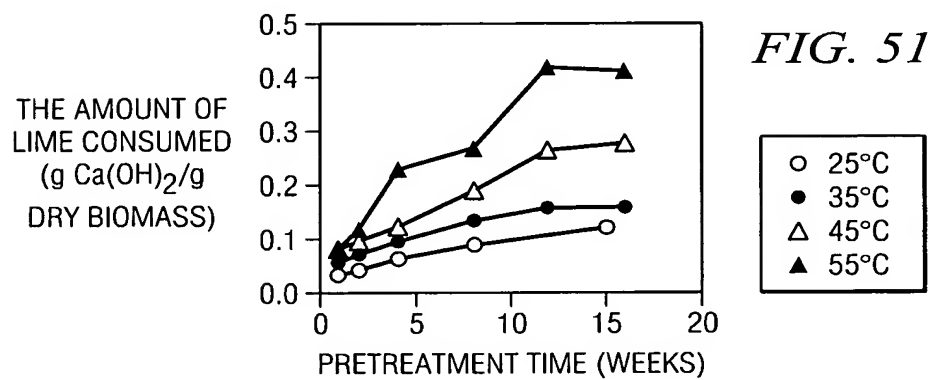
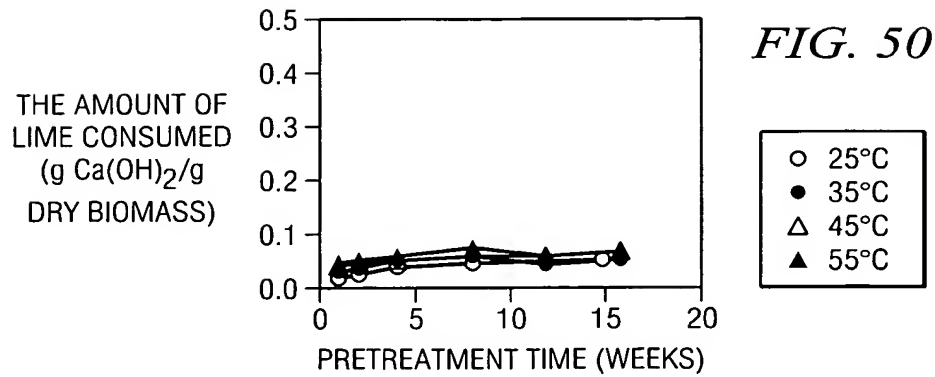


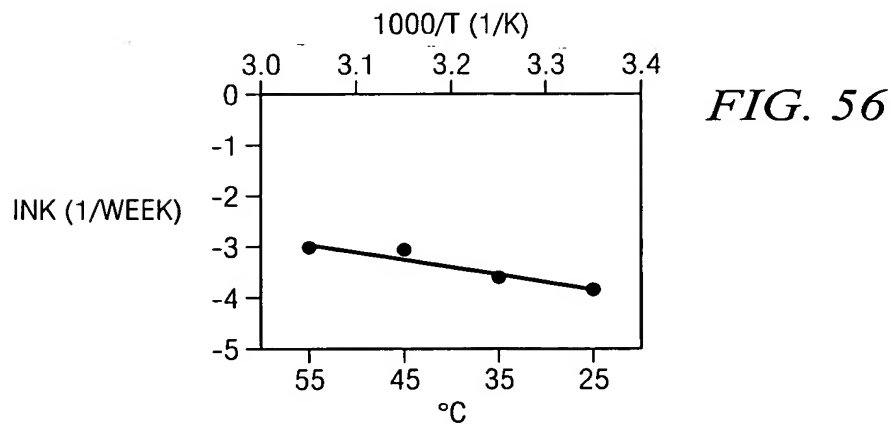
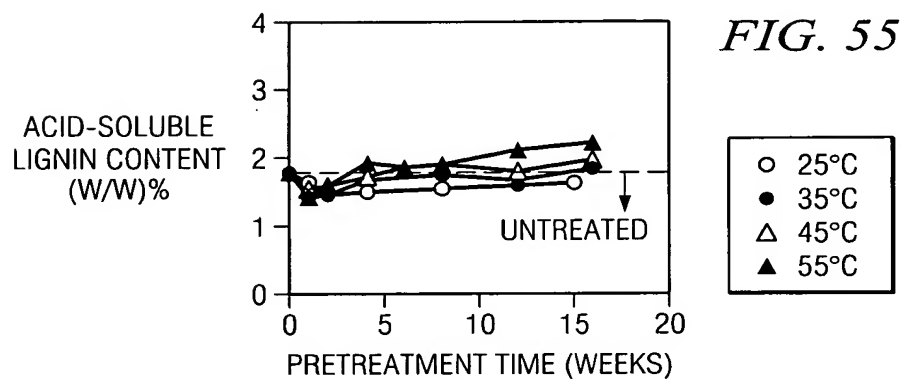
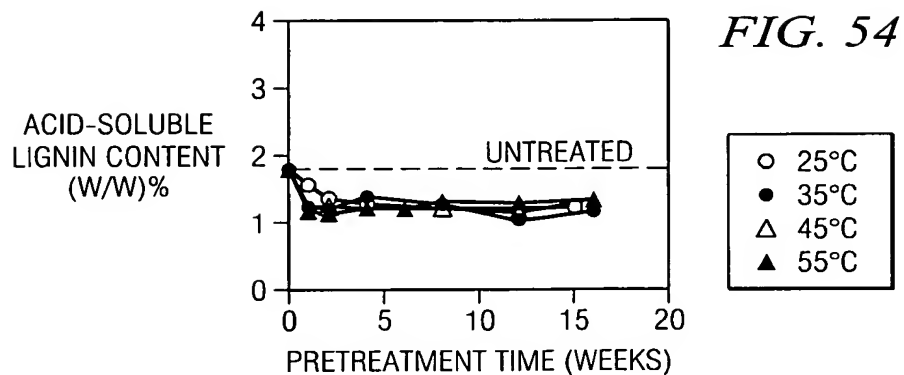
FIG. 49



23/28



24/28



25/28

FIG. 57

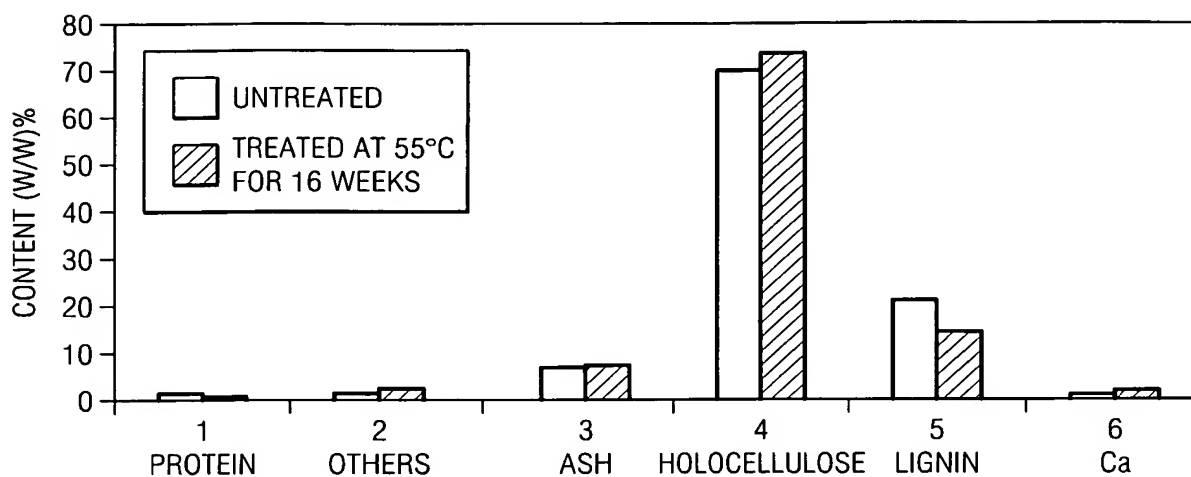


FIG. 58

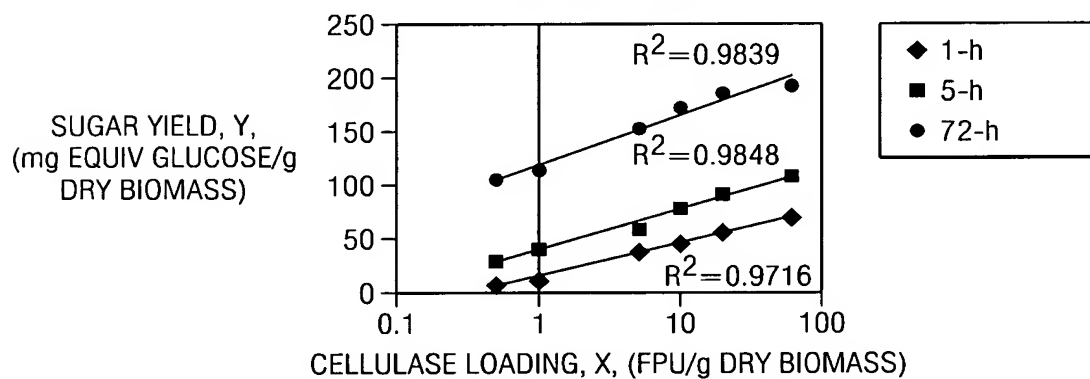
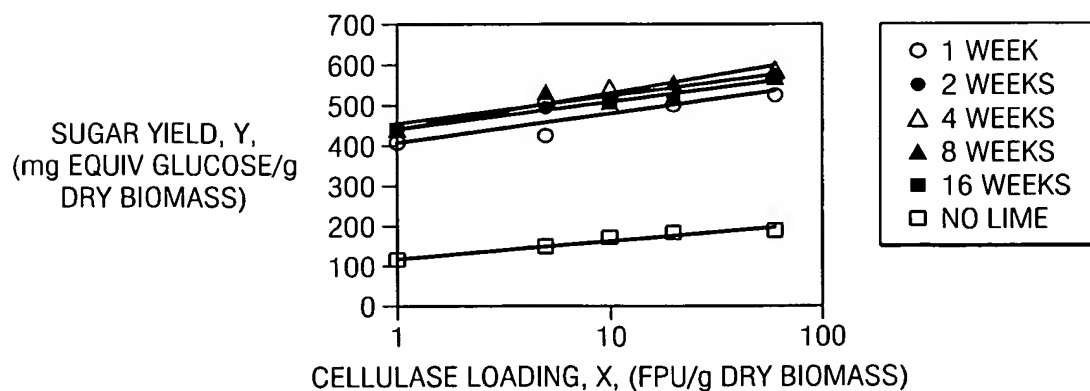


FIG. 59



26/28

FIG. 60

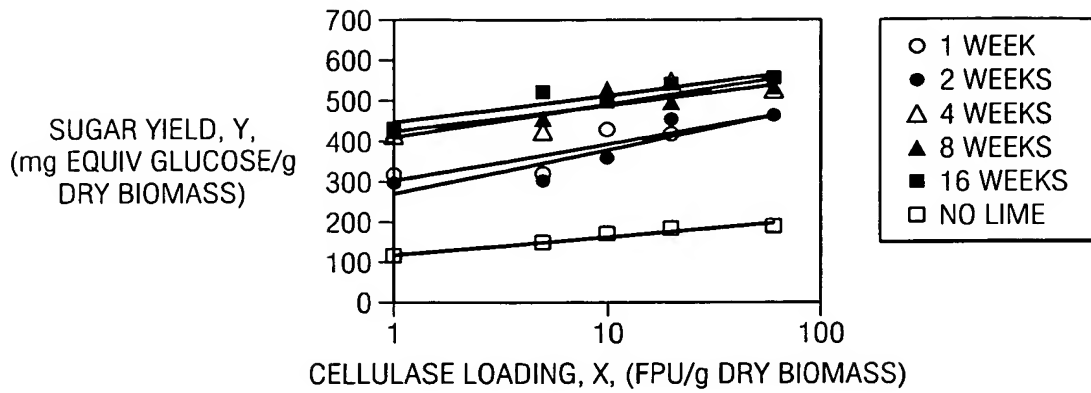


FIG. 61

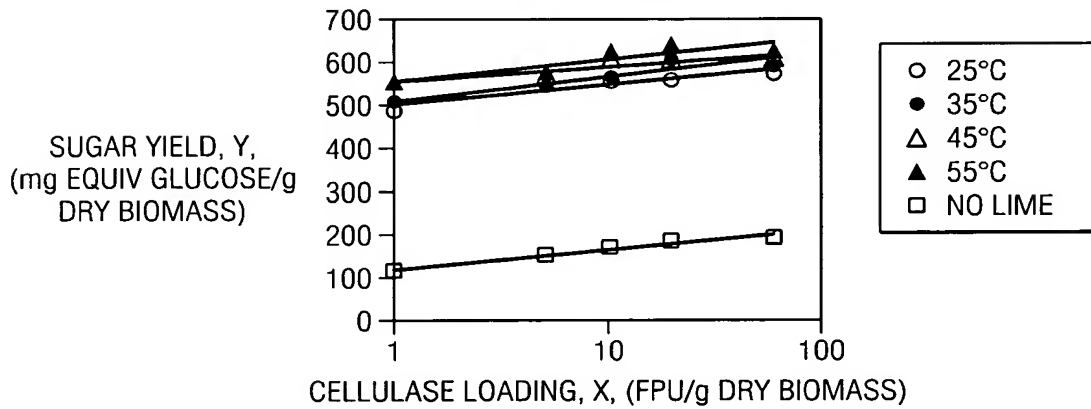
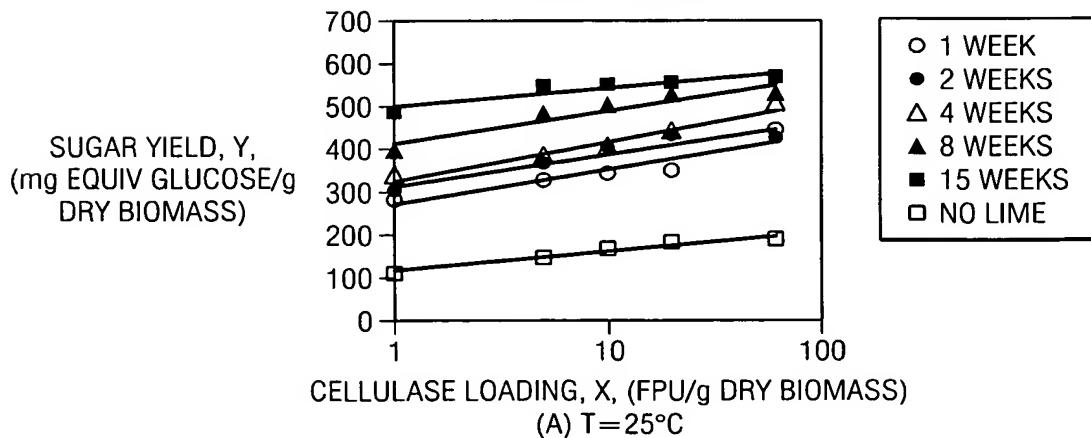


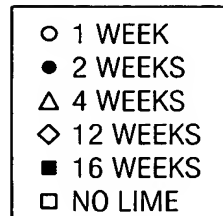
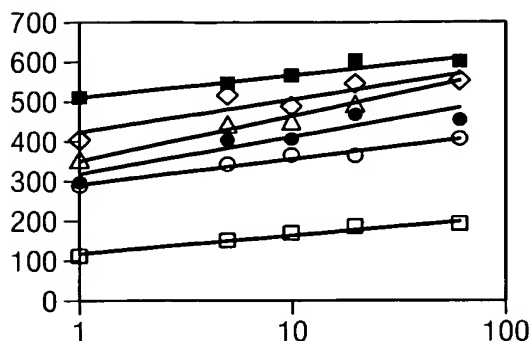
FIG. 62A



27/28

**FIG. 62B**

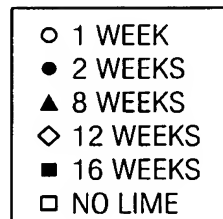
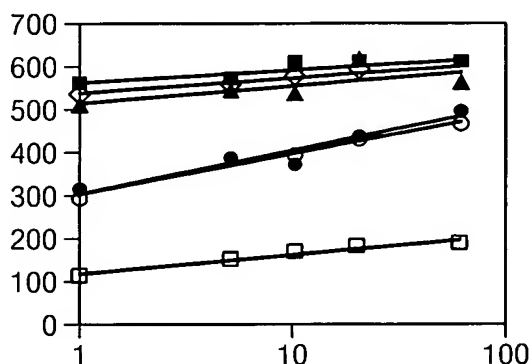
SUGAR YIELD, Y,  
 (mg EQUIV GLUCOSE/g  
 DRY BIOMASS)



CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (B) T=35°C

**FIG. 62C**

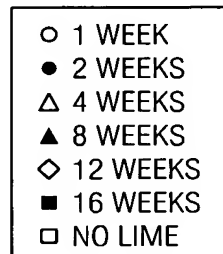
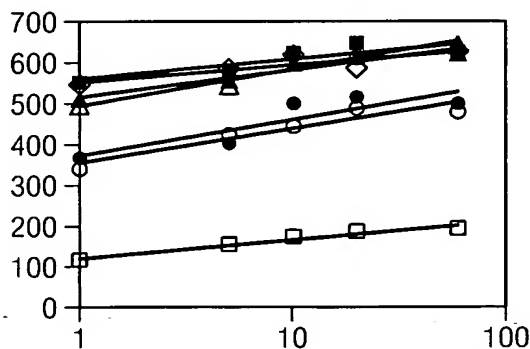
SUGAR YIELD, Y,  
 (mg EQUIV GLUCOSE/g  
 DRY BIOMASS)



CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (C) T=45°C

**FIG. 62D**

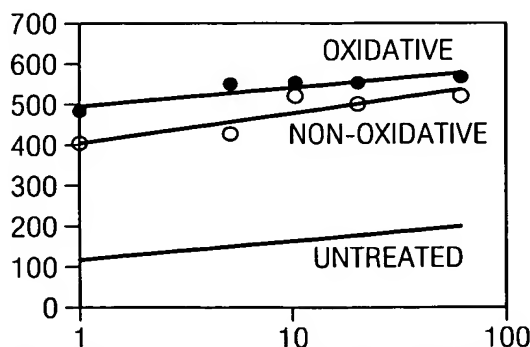
SUGAR YIELD, Y,  
 (mg EQUIV GLUCOSE/g  
 DRY BIOMASS)



CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (D) T=55°C

**FIG. 63A**

SUGAR YIELD, Y,  
 (mg EQUIV GLUCOSE/g  
 DRY BIOMASS)



CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (A) T=25°C

28/28

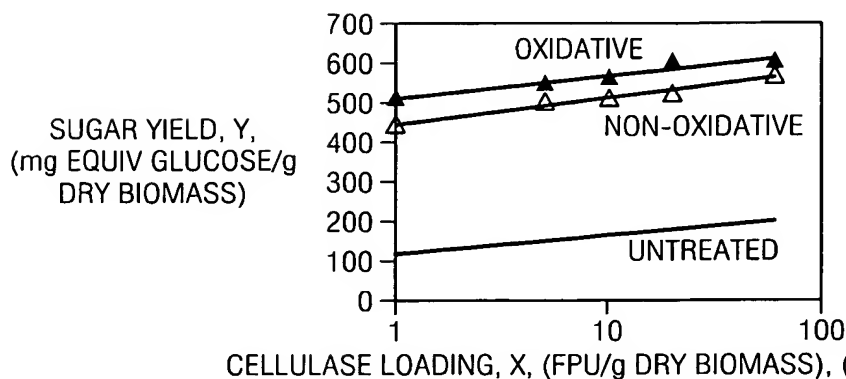


FIG. 63B

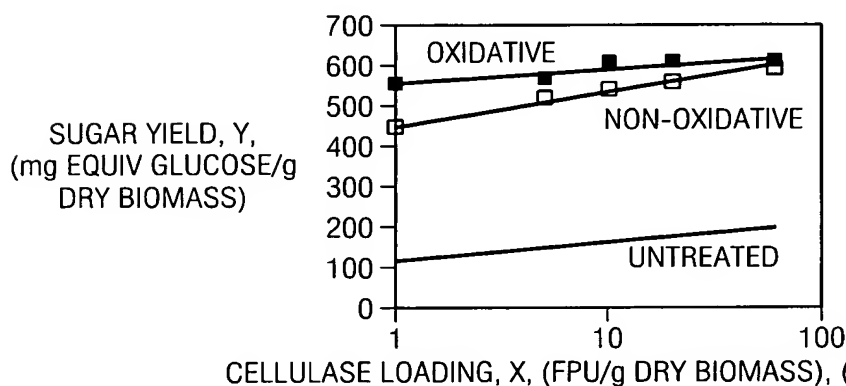


FIG. 63C

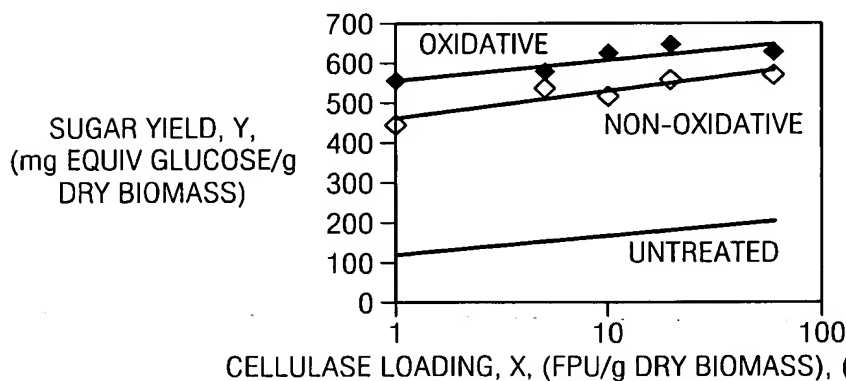


FIG. 63D

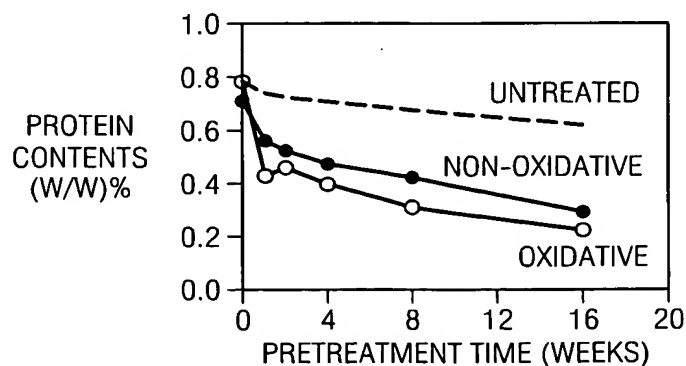


FIG. 64